Océ User manual

Océ ColorWave™ 600

Operating information

Océ-Technologies B.V.

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Chapter 1
Introduction



Notes for the reader

Introduction

This manual helps you to use the Océ ColorWave™ 600. The manual contains a description of the product and guidelines to use and operate the Océ ColorWave™ 600.

Definition

Attention Getters

Parts of this manual require your special attention. These parts can provide the following:

- Additional general information, for example information that is useful when you perform a task.
- Information to prevent property damage or personal injuries.

Note, Attention and Caution

The words **Note**, **Attention** and **Caution** draw your attention to important information.

[1] Overview of the attention getters

Word	Icon	Indicates
Note		Tips or additional information about the correct operation of the product.
Attention		Information to prevent property damage, for example damage to the product, documents or files.
Caution		Information to prevent personal injuries. The **Caution** indication has several icons that warn against various hazards. The icons are shown below.
Caution		General hazard
Caution		Hot surface
Caution		Electric shock
Caution		Moving parts
Caution		Laser beam

Safety information

The safety information for this product is included in a separate manual with the title **Safety information**. This manual is part of the documentation set that you received with your product.

How to use this manual

Introduction

You can access a topic quickly with the following methods.

- Refer to the alphabetical index at the end of the manual.
- Refer to the table of contents at the beginning of this manual.
  Before you turn to the complete table of contents, you can also use the following table to find a topic quickly.

The sections of this manual

The following table gives an overview of how the chapters are arranged logically.

Chapters	Section	Topics
1	Introduction	■ Explanation regarding the manual and how to use it. ■ Overview of available documentation.
2	Get to know the printing system	■ The Océ ColorWave™ 600 printer. ■ The Océ Express WebTools. ■ The finishing options.
3	Prepare the printing system for use and get started	■ Install the printer. ■ Turn the system on and off. ■ Print the 'Customer Acceptance Test' print (CAT).
4	Configure the printing system	■ General settings to configure the printing system. ■ Configure the printer. ■ Configure print jobs.
5	Use the printing system	■ Work with the printer (set-up, monitor, control and solve problems with the printer). ■ Create print jobs (set-up, monitor, control and solve problems with print jobs).
6	Manage media on the Océ ColorWave™ 600 printing system	■ Overview media related settings. ■ Manage media profiles.

Chapters	Section	Topics
7	Print quality and Print productivity	■ Settings that influence the print quality / print productivity. ■ Color management settings. ■ Print examples. ■ Check, analyze and solve output quality problems of print jobs.
8	License management	Manage licenses.
Appendix A	Specifications	■ System specifications. ■ Supported media types and sizes.
Appendix B	General information	Reader's comment sheet.
Appendix C	General information	Addresses of local Océ organizations.

Available documentation

Introduction

This manual is part of a complete documentation set. The following table shows a complete overview of the available documentation.

Available documentation

Product	Documentation	Medium
Océ ColorWave™ 600	User manual - Operating information	CD-ROM, as an online document or as a PDF file in multiple languages.
	User manual - Safety Manual	Hardcopy manual (multilingual), also available as a PDF file.
	User manual - Installation	Hardcopy manual, also available as a PDF file on the CD-ROM.
Océ Express WebTools	User manual - Operating information	CD-ROM, as an online document or as a PDF file in multiple languages.
	On-line Help	Embedded in the application, as an on-line help file in multiple languages.
	Océ TDS-TCS connectivity manual	CD-ROM, as a PDF file in English only.

Note: *Visit Océ on the internet at www.oce.com for the latest information.*

Chapter 2
Get to know the printing system

The Océ ColorWave™ 600 printing system

Introduction

The Océ ColorWave™ 600 is the first wide format TonerPearl printer in the world and consequently also the first of a new family of color wide format printers that use the new patented 'Océ CrystalPoint™' technology. The Océ ColorWave™ 600 delivers effortlessly easy CrystalPoint quality prints on plain paper, with all-around productivity for a wide range of applications in an entirely sustainable concept.
The patented 'Océ CrystalPoint™' technology combines the best of the world of Toner with the best of the Inkjet-world in an entirely sustainable process.
From the world of toner, the 'Océ CrystalPoint™' technology gives you water-fast, direct dry prints with an even stronger adhesion you are used to from Océ LED systems. Add the media independence, and consistency of output and 'Océ CrystalPoint™' technology capitalizes on the great aspects of the toner world.
From the inkjet-world, 'Océ CrystalPoint™' technology has adopted the accuracy of printing, and the cleanliness of the system (no ozone or system contamination).

Illustration



The main components of the Océ ColorWave™ 600 printing system

Component	Description / Function
The 'Océ ColorWave™ 600 Printer'	Creates the printed output.
The 'Océ Express WebTools'	The 'Océ Express WebTools' provide multiple users a remote view on the system and control on the system's workflow, without any need to install software. The 'System administrator' or the 'Key operator' can also use the 'Océ Express WebTools' to install the system and fine tune the system to optimally fit the customer's company workflow and processes. Any web browser can be used to browse to the IP address or hostname of the 'Océ ColorWave™ 600 Printer' to get immediate access to the 'Océ Express WebTools'.

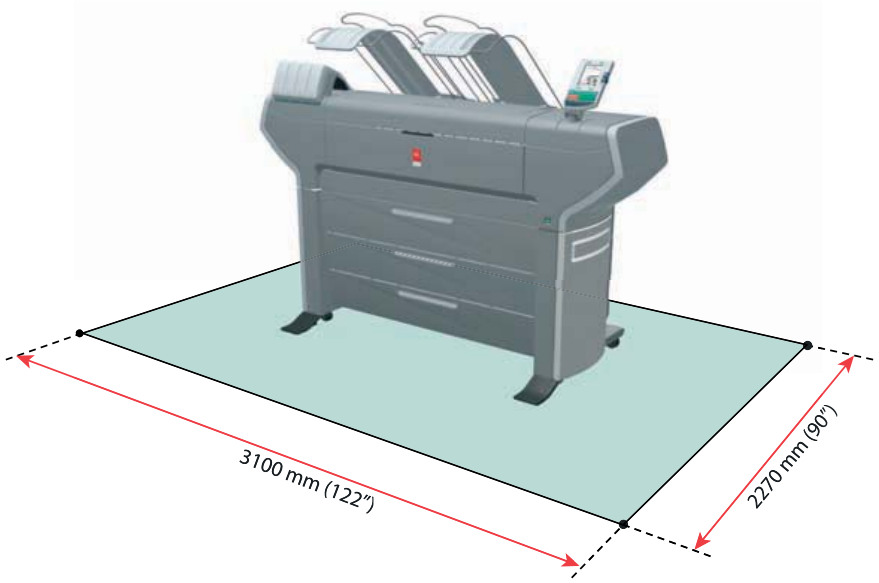
The Océ ColorWave™ 600 printing system consumables

Consumable	Consumable part	Description
'Media'	'Roll'	Roll that caries the media. A roll can have a 2" core or a 3" core.
	'Core'	The core of the media roll is the cardboard inner part of the roll.
'Toner'	'Toner cartridge'	Toner cassette for cyan, yellow, black or magenta toner.
	'Océ TonerPearls™'	Solid and clean spherical-shaped toner inside the cartridge.

The Océ ColorWave™ 600 printer

Printer working area [Footprint]

The Océ ColorWave™ 600 requires a floor space / working area of at least 3100 mm x 2270 mm (122 inch x 90 inch).



The printer hardware components (front)

Illustration



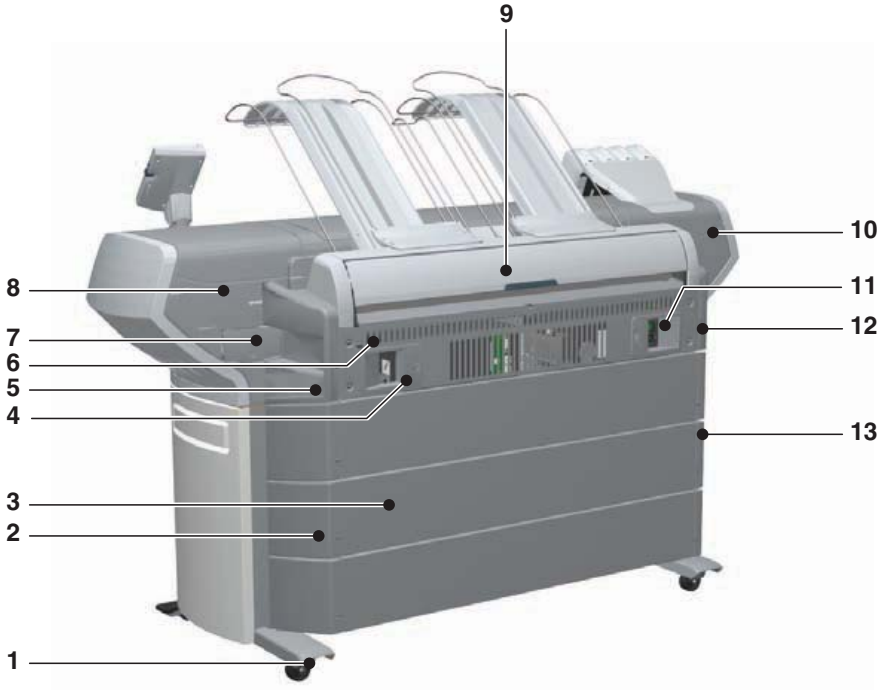
Component - function table

Nr	Component	Description / Function
1	'Lower left cover'	
2	'Media drawer'	Media drawer that contains the media roll 5 and/or 6. *The 'Media drawer'* on page *26*
3	'Media drawer'	Media drawer that contains the media roll 3 and/or 4. (see *'The 'Media drawer''* on page *26*)
4	'Media drawer'	Media drawer that contains the media roll 1 and/or 2. (see *'The 'Media drawer''* on page *26*)
5	'Front left cover'	
6	'Front cover'	Door at front, used for error recovery
7	'Upper left cover'	
8	'Top left cover'	

Nr	Component	Description / Function
9	'Toner cartridge' (cyan)	Toner cassette for cyan 'Océ TonerPearls™'
10	'Toner cartridge' (yellow)	Toner cassette for yellow 'Océ TonerPearls™'
11	'Toner cartridge' (black)	Toner cassette for black 'Océ TonerPearls™'
12	'Toner cartridge' (magenta)	Toner cassette for magenta 'Océ TonerPearls™'
13	'Top delivery tray'	Delivery tray for the printed output. **Note:** *It is possible to install an optional 'Receiving rack (basket)' or a folder.*
14	'Top cover'	Cover on top of the printer, used for error recovery. This cover gives access to the imaging section. (see *'The 'Imaging section"* on page *28*)
15	'Top right cover'	
16	'Printer operator panel'	The printer operator panel helps the operator to do the following. ■ set up the printer ■ define media types and sizes, used on the Océ ColorWave™ 600 printer ■ monitor the media and toner stock ■ control the Océ ColorWave™ 600 printer and the workflow ■ perform maintenance tasks ■ solve problems (see *'The hardware of the printer operator panel'* on page *29*) (see *'The main screens on the printer operator panel'* on page *32*)
17	'Front right cover'	
18	'Upper right cover'	
19	'On / Off switch'	Used to switch on/off the printer.
20	'Lower right cover'	
21	'Foot'	

The printer hardware components (back)

Illustration



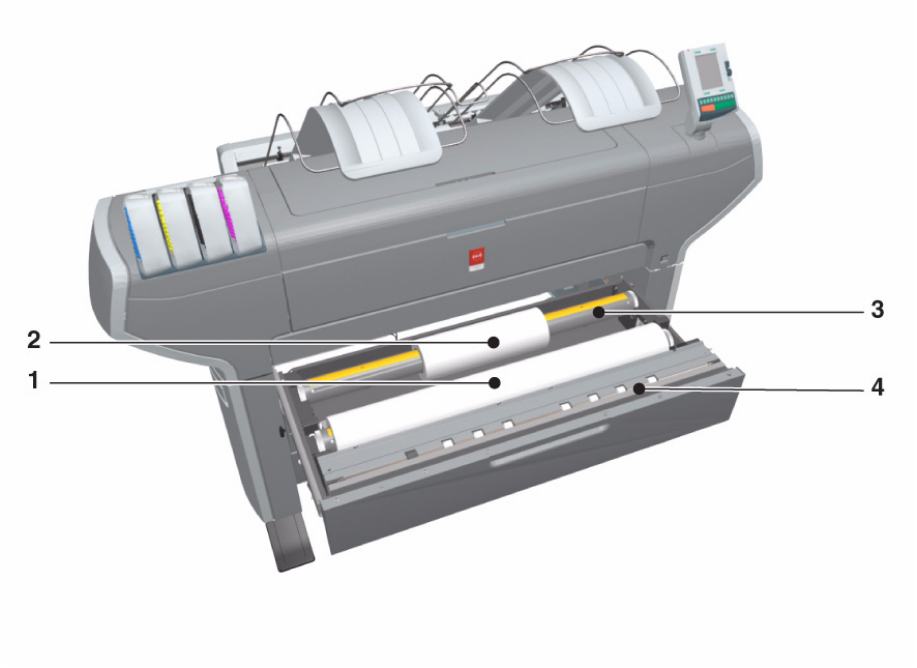
Component - function table

Nr	Component	Description / Function
1	'Wheel'	
2	'Left cover of the media drawer'	
3	'Back cover of the media drawer'	
4	'Connection panel'	The connection panel of ■ the 'Océ PowerM controller' (standard embedded controller) or ■ the 'Océ PowerM Plus controller ' (high-end embedded controller)
5	'Back left cover'	
6	'Ventilation cover'	Covers the 'Océ PowerM controller' / 'Océ PowerM Plus controller '
7	'Maintenance tray drawer'	

Nr	Component	Description / Function
8	'Top back left cover'	
9	'Top back cover'	Used for error recovery. **Note:** *It is possible to install an optional 'Receiving rack (basket)' or a folder.* **Note:** *If you select 'External output (back)', the printed output is lead through the slot below the 'Top back cover'.*
10	'Top back right cover'	
11	'Power'	The main power switch
12	'Back right cover'	
13	'Right cover of the media drawer'	

The 'Media drawer'

Illustration



Component - function table

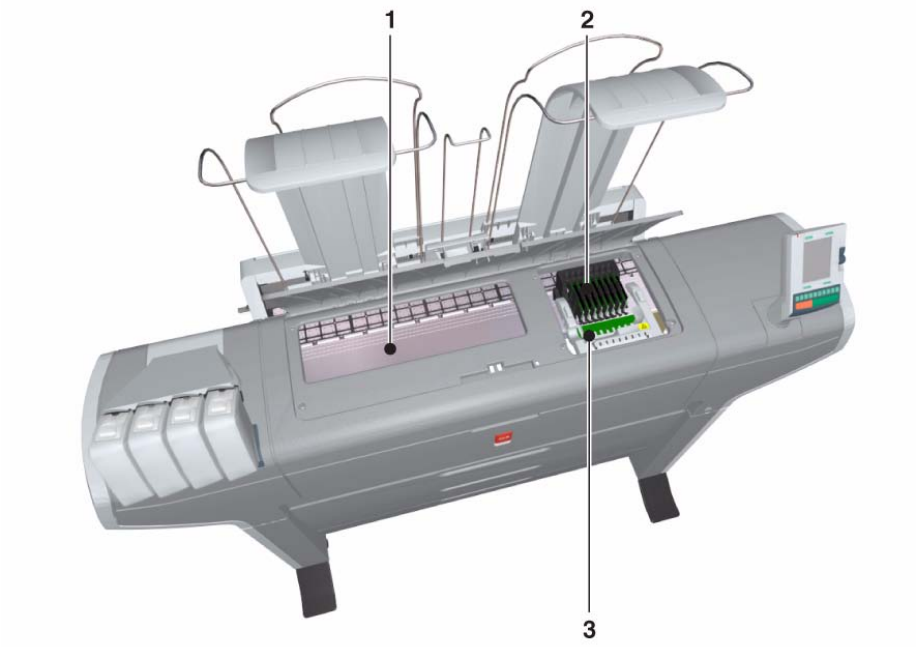
Attention: Only use intact media rolls. Dented media rolls can damage the 'Imaging devices'.

Number	Component	Description / Function
1	'Roll' 1	Media roll 3 or 5 in other media drawers
2	'Roll' 2	Media roll 4 or 6 in other media drawers
3	'Roll holder'	Carries the media roll

Number	Component	Description / Function
4	'Roll loading station'	Groove integrated behind the front cover of the media drawer. To load new media on the printer, the operator must proceed as follows ■ place the new media roll temporarily on the roll loading station ■ insert the roll holder into the new media roll ■ place the roll holder with the new media roll in the correct roll position
5	'Roll loader' (optional)	Helps the operator to load a media roll.

The 'Imaging section'

Illustration



[14] When you open the 'Top cover' you get access to the 'Imaging section'.

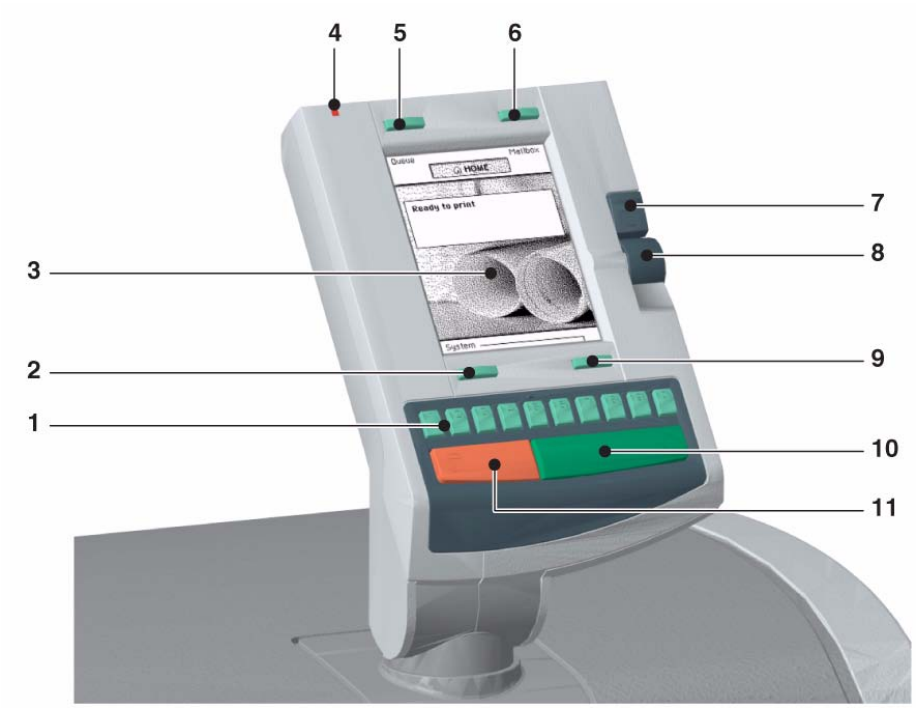
Component - function table

Nr	Component	Description / Function
1	'Print surface'	The print surface is designed to keep the media that is printed on flat.
2	'Imaging devices'	The 8 Imaging devices jet the toner on the media.
3	'Imaging carriage'	Carriage that contains the 8 imaging devices

The printer operator panel

The hardware of the printer operator panel

Illustration



Component - function table

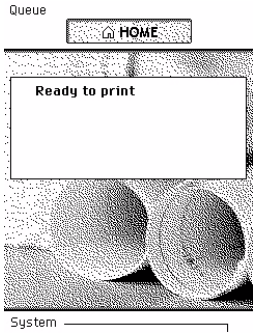
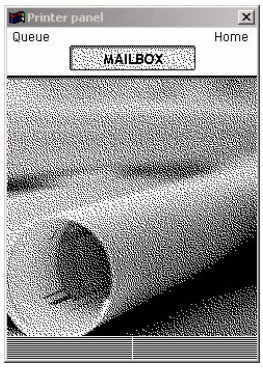
Nr	Component	Description / Function
1	'Numeric keys'	Keys with the numeric values 0-9 in the lower part of the 'Printer operator panel', that allow the operator to enter a numeric value, for example the number of prints.
2	'Lower left softkey'	Key that allows the operator to select the option displayed in lower left corner of the screen of the 'Printer operator panel'.
3	'Screen'	(see *'The main screens on the printer operator panel'* on page *32*)

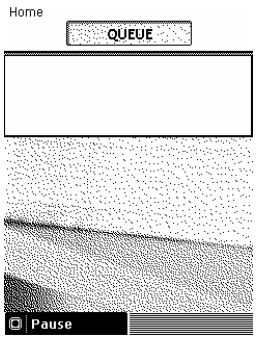
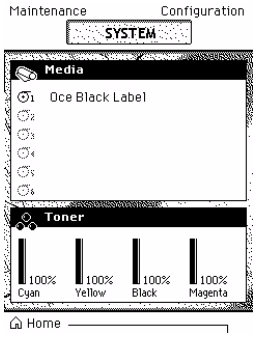
Nr	Component	Description / Function
4	'Status light'	The status light indicates the status of the printer. ■ A green light indicates that the printer is ready. ■ A blinking green light indicates that the printer is busy. ■ A red light can indicate the following. – the printer is calibrating – the printer is not ready – an error occurred ■ A blinking red light indicates that the printer is busy and an error occurred.
5	'Upper left softkey'	Key that allows the operator to select the option displayed in upper left corner of the screen of the 'Printer operator panel'.
6	'Upper right softkey'	Key that allows the operator to select the option displayed in upper right corner of the screen of the 'Printer operator panel'.
7	'Confirmation key'	Key that offers functionality that is comparable to left-mouse-button functionality. If the operator presses this key, the user interface object that has the focus is opened, executed or confirmed. The operator can use this button (for example) to do the following. ■ open a setting ■ close and confirm the selected value of a setting ■ change the value of a setting ■ start a wizard
8	'Scroll wheel'	Wheel on the right side of the printer operator panel, that allows the operator to ■ scroll through the screen ■ scroll through settings values
9	'Lower right softkey'	Key that allows the operator to select the option displayed in lower right corner of the screen of the 'Printer operator panel'.

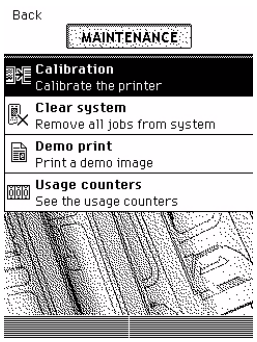
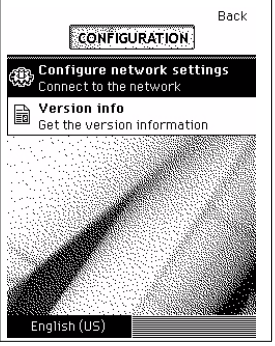
Nr	Component	Description / Function
10	'Green start key'	The green key on the printer operator panel that allows the operator to start a print job from the 'Queue' or 'Mailbox'[1].
11	'Red stop key'	The red key on the 'Printer operator panel' that allows the operator to immediately stop the print job that is currently printed.

[1] Functionality not available in V 1.0.

The main screens on the printer operator panel

Screen	Function	Screen dump
'Home'	**Basic screen that displays only the most relevant information: the condition of the system and what it is doing now.** Tasks (performed by 'Any user'): ■ Monitor the system status. **Note:** *The information in the 'Home' screen is equivalent to the system messages displayed in the 'System' tab of the 'Océ EWT'.*	
'Mailbox'[1]	**Your jobs at the printer - create print jobs from here, if needed change some settings and print again.** Tasks (performed by 'Any user'): ■ Control your jobs at the printer - find your jobs, make settings, start jobs. ■ Create jobs at the printer - print jobs that have been sent to the Mailbox. ■ Create jobs at the printer - reprint jobs that have been printed before. **Note:** *The 'Mailbox' screen is equivalent to the 'Mailbox' pane in the 'Jobs' tab of the 'Océ EWT'.*	

Screen	Function	Screen dump
'Queue'	**Monitor and control the progress of print jobs.** Tasks (performed by 'Any user'): ■ Monitor print jobs - what is the progress (= the 'Queue' pane). ■ Solve problems with jobs - media requests. ■ Pause and resume print jobs. **Note:** *The 'Queue' screen is partly equivalent to the 'Queue' pane in the 'Jobs' tab of the 'Océ EWT'.*	
'System'	**Your view on the system.** Tasks (performed by 'Any user'): ■ Monitor toner status. ■ Monitor the available media on the printer. **Note:** *The 'System' screen is equivalent to the 'System' tab of the 'Océ EWT'.*	

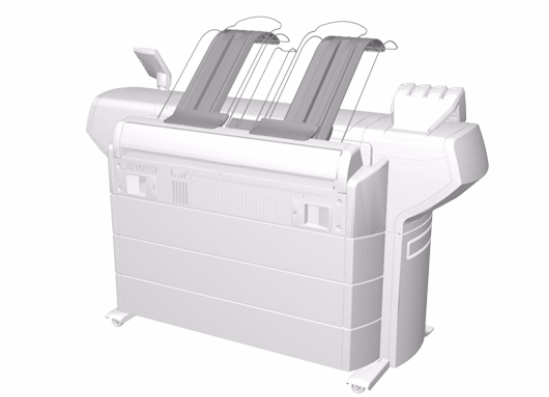
Screen	Function	Screen dump
'Maintenance'	**Maintenance and troubleshooting tasks.** Tasks (performed by 'Any user', but most likely by the 'Key operator') to solve problems with the printer: ■ 'Calibration' 'Calibrate the printer' ■ 'Clear system' - 'Remove all jobs from system' ■ 'Demo print' 'Print a demo image': –'Demoprint Economy Mode' –'Demoprint Presentation Mode' –'Demoprint Production Mode' –'Océ Print Quality Advisor' –'Customer Acceptance Test' ■ Usage counters (counters, 'TAC' readings). **Note:** *The 'TAC' is a new click that is a function of print volume (square meter) and of toner coverage (grams /square meter).*	
'Configuration'	**Configuration of the printer.** Tasks (performed by the 'System administrator'): ■ Configure the system (install, network configuration). ■ Set the preferred language. ■ Monitor the software version.	

[1] Functionality not available in V 1.0.

The finishing options

Introduction

The Océ ColorWave™ 600 is delivered with a 'Top delivery tray' to collect your printed output.



The 'Top delivery tray' can collect 50 - 100 A0 plain paper prints with a maximum length of 48" [120mm].

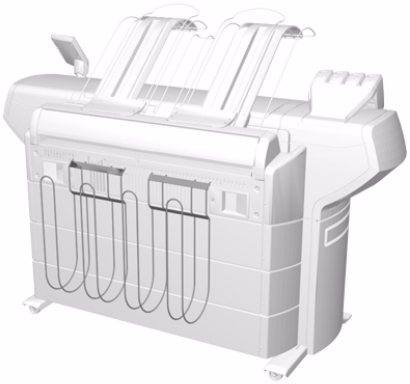
Note: *The media type you use influences the output capacity.*

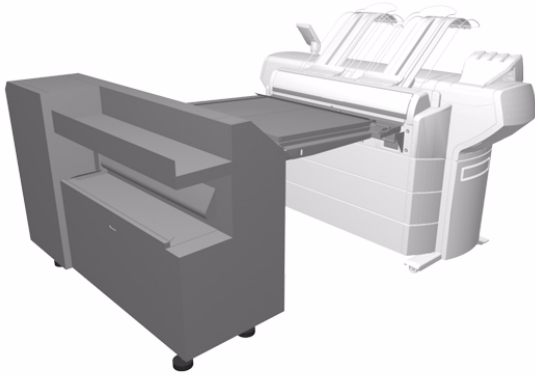
In the Océ Express WebTools you can define the default 'Delivery destination' for your printed output.

- If you select 'Top delivery tray' your printed output is by default delivered in the standard 'Top delivery tray'.
- If you select 'External output (back)' your printed output is by default delivered at the back of the printer. In that case you must expand your printer with one of the following finishing options.

Attention: If you use 2 inch media cores instead of the standard 3 inch media cores, in most cases the printed output is automatically delivered at the back of the printer. The installation of one of the finishing options is then mandatory.

The finishing options

'Receiving rack (basket)'	Illustration
The 'Receiving rack (basket)' is hooked at the rear side of the printer. It can collect 2 - 5 prints. The 'Receiving rack (basket)' bends the printed output. Not all media types are appropriate for this finishing option. **Note:** *The 'Receiving rack (basket)' is not supported in combination with the folder.*	

Folder	Illustration
The folder is an automatic folder that folds large sized plots. **Note:** *The folder is not supported in combination with the 'Receiving rack (basket)'.*	

Chapter 3
Prepare the printing system for use and get started

Introduction

This chapter contains all the information you need to prepare your Océ ColorWave™ 600 for use.

You can learn more about the following.

- How to move the printer.
- How to connect the power supply cable and the network cable.
- How to run the installation procedure.
- How to define the regional settings.
- How to (re)load a media roll.
- How to (re)load the toner cartridges.
- How to (re)place the maintenance tray.
- How to print the Customer Acceptance Test.

How to move the Océ ColorWave™ 600 printer

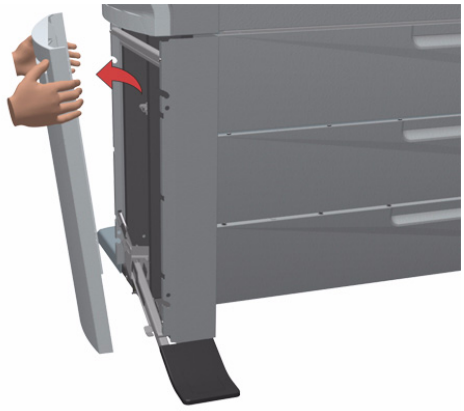
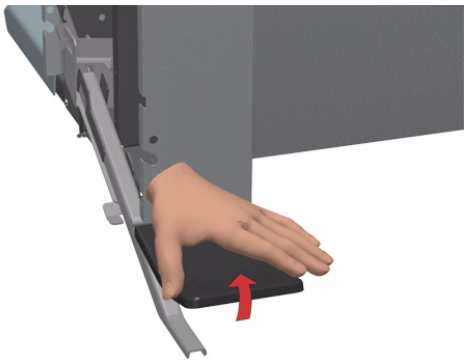
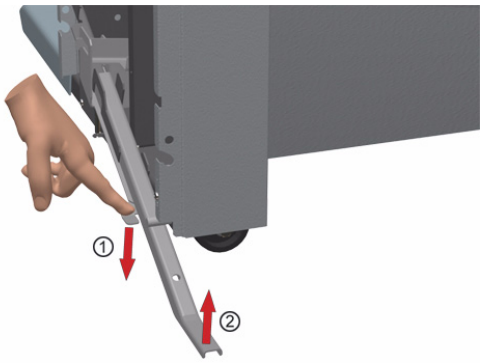
Introduction

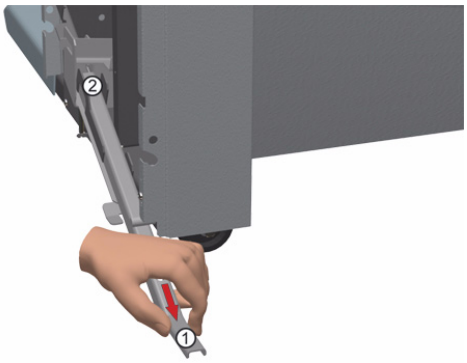


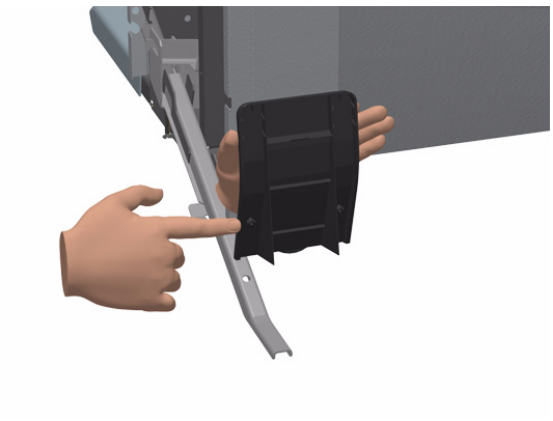
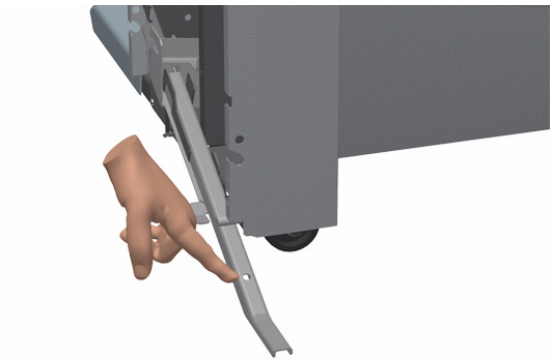
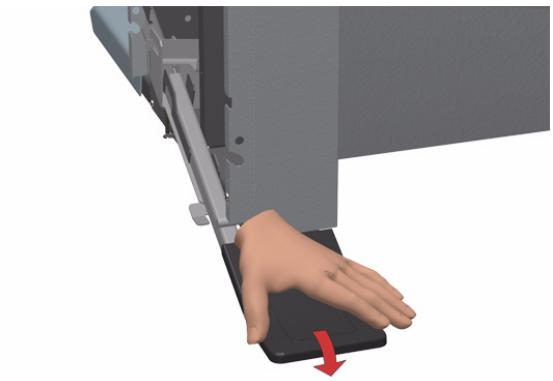
Attention: If connected you must first switch off and disconnect the Océ ColorWave™ 600. *Switch on or switch off the printer* on page *149*.

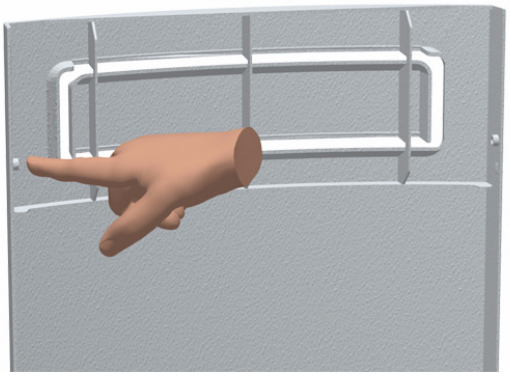
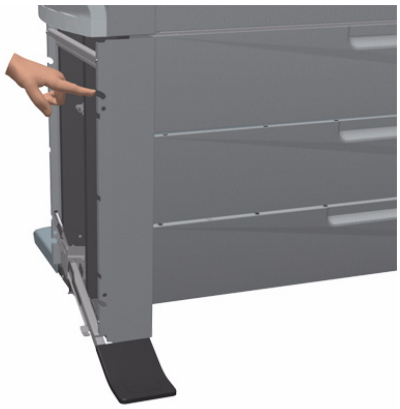
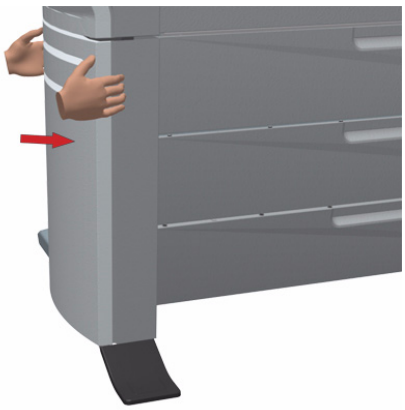
Attention: Close the media drawers.

Note: *Be aware of the printer working area.* *Printer working area [Footprint] on page 21*.

Step	Action	Remarks
1	Use both hands to pull at the 'Lower left cover'. Remove the 'Lower left cover'.	
2	Pull at the Foot cover. Remove the 'Foot' cover.	
3	Push the handle [1]. The 'Foot' snaps up [2].	
4	Repeat action 1 till 3 on the 'Lower right cover'	

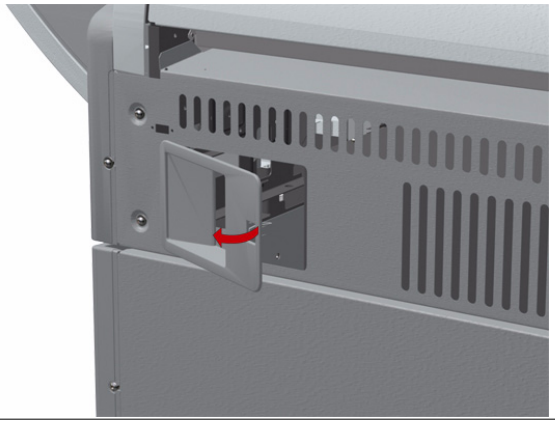
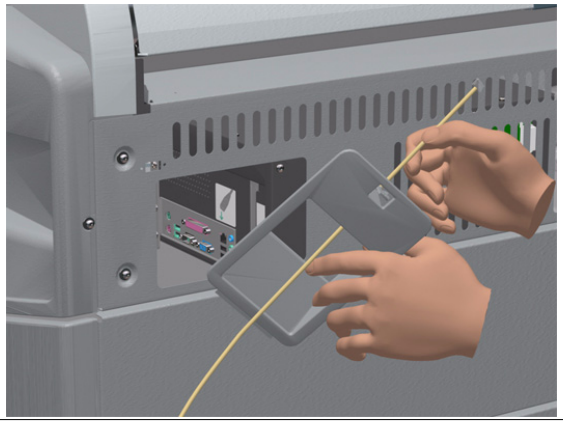
Step	Action	Remarks
5	Move the Océ ColorWave™ 600 printer. **Note:** *Be aware of the printer working area.*	
6	Pull out the left 'Foot' [1] until it touches the ground and locks [2]. You should hear a click as it locks. **Note:** *If you do not hear a click place your foot on the foot of the printer [1] and at the same time push gently against the printer until you hear the click.*	

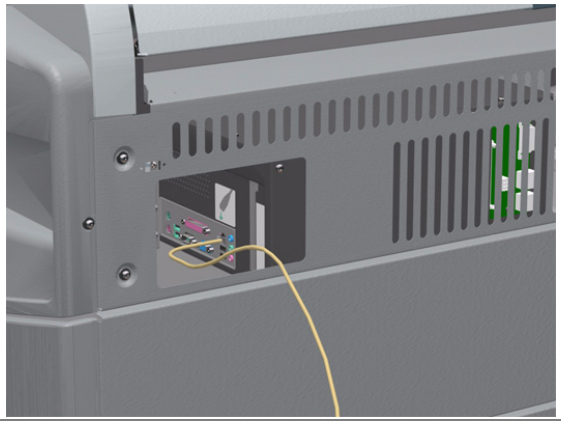
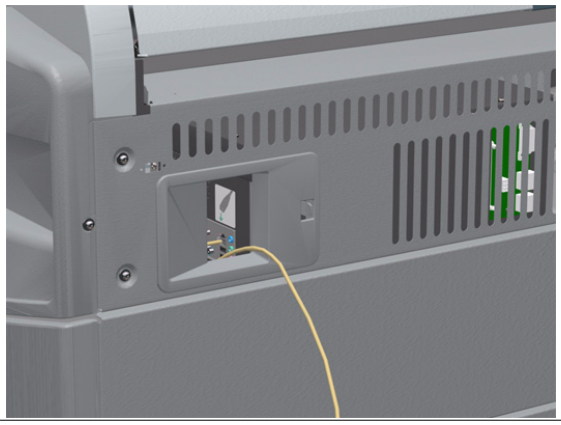
Step	Action	Remarks
7	Replace the 'Foot' covers. Place the pin into the notch.	 [31] Pin  [32] Notch 

Step	Action	Remarks
8	Replace the 'Lower left cover'. Place the pin into the notch.	 [34] Pin  [35] Notch 
9	Repeat action 6 till 8 at the right hand side. Replace the 'Lower right cover'	

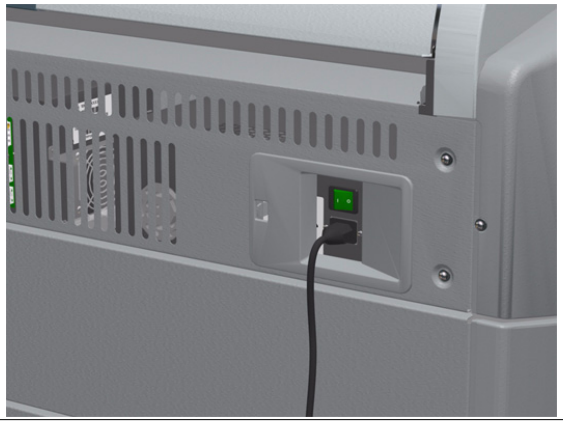
Connect the Océ ColorWave™ 600 printer

How to connect the network cable

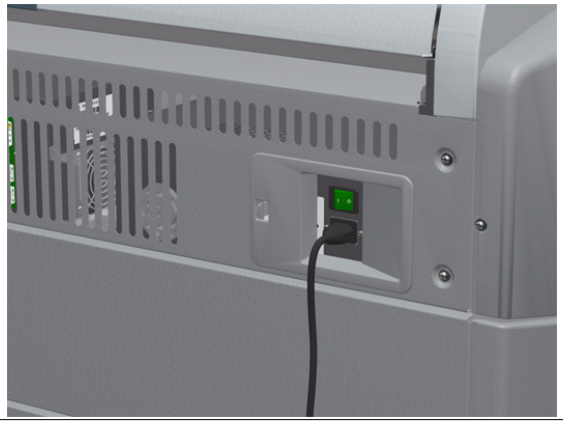
Step	Action	Remarks
1	Remove the cover of the 'Connection panel' at the rear side of the printer.	
2	Lead the connection cable through the cover.	

Step	Action	Remarks
3	Connect one side of the data cable (UTP cable with a RJ45 connector) to the indicated network connection on the connection panel of the 'Océ PowerM controller'. Connect the other side of the network cable to your company network.	
4	Replace the cover of the 'Connection panel'.	

How to connect the mains supply cable

Step	Action	Remarks
1	Plug in the 'Power' cable at the power connection on the 'Connection panel' at the back of the printer. **Note:** *Make sure the main power switch is in 'off' position.*	

How to switch on the printer

Step	Action	
1	Switch on the green main switch at the rear side of the Océ ColorWave™ 600.	
2	Switch on the Océ ColorWave™ 600 at the front side of the printer.	'On / Off switch' [19] 

The installation procedure

Introduction

To install the printer and integrate the Océ ColorWave™ 600 system in your company network you must follow four main steps.

- Run the installation wizard from the printer operator panel.
  If you connect the network cable of your company network and you switch on your Océ ColorWave™ 600 for the first time, an installation wizard starts automatically.
- Complete the printer configuration in the Océ Express WebTools (from a workstation).
- Configure the regional settings of the Océ ColorWave™ 600.
- Print the Customer Acceptance Test (CAT) demo print.

Run the installation wizard from the printer operator panel

Introduction

If you integrate the printer according to a network policy, please contact your network administrator to get information about the network infrastructure and parameters.
As a network administrator, please refer to the **Océ TDS/TCS Connectivity Manual** (available on CD delivered with your system) to get information about the different network infrastructures and configurations.



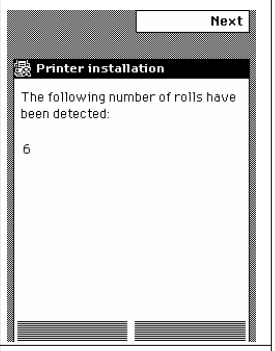
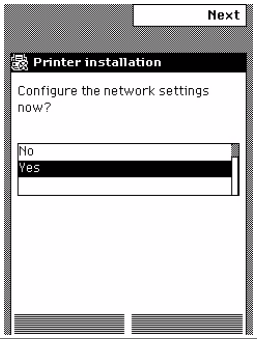
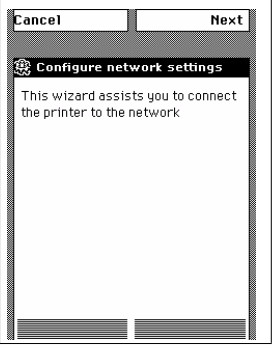
Before you begin

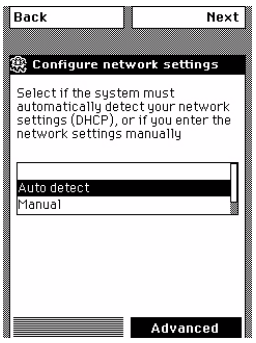
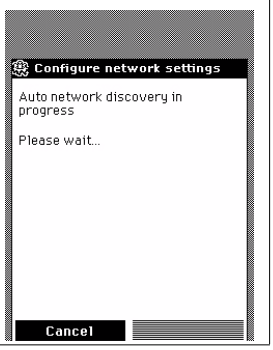
Note: *You can change the position and the angle of the printer operator panel if the display is not visible from your place of work.*

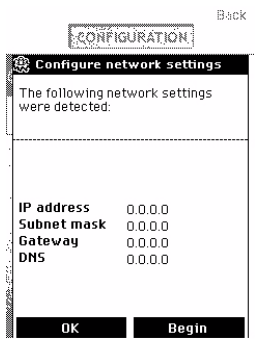
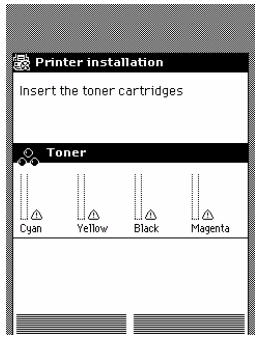
Open the 'Front cover' [6] of the Océ ColorWave™ 600 and locate the serial number of the printer.
You can find the serial number on the barcode sticker next to the modification sticker.
Write down the printer serial number. (495000XXX)
You need the serial number to complete the installation wizard.

How to run the installation wizard

Step	Action	Remarks
1	If you connect the network cable to your company network and you switch on your Océ ColorWave™ 600 for the first time, an installation wizard starts automatically. Use the 'Upper right softkey' to go to the next step.	
2	Use the 'Scroll wheel' to select the correct language for your printer user interface. Confirm your entry with the 'Confirmation key' above the 'Scroll wheel'. Use the 'Upper right softkey' to go to the next step.	
3	Use the 'Numeric keys' to enter the serial number of the printer. You can find the serial number behind the 'Front cover' on the right hand side. Use the 'Upper right softkey' to go to the next step.	
4	Use the 'Numeric keys' again to enter the serial number of the printer for verification purpose. Use the 'Upper right softkey' to go to the next step.	

Step	Action	Remarks
5	The printer operator panel displays the number of rolls detected. Use the 'Upper right softkey' to go to the next step.	
6	Use the 'Scroll wheel' to select 'Yes' when asked if you want to configure the network settings now. Confirm your entry with the 'Confirmation key' above the 'Scroll wheel'. Use the 'Upper right softkey' to go to the next step.	
7	The following message is displayed: 'This wizard assists you to connect the printer to the network'. Use the 'Upper right softkey' to go to the next step.	

Step	Action	Remarks
8	Select one of the following options. ■ 'Auto detect' Use the 'Scroll wheel' to select 'Auto detect' if the system must automatically detect your network settings. Confirm your entry with the 'Confirmation key' above the 'Scroll wheel'. Use the 'Upper right softkey' to go to next step and continue with step 9. ■ 'Manual' Use the 'Scroll wheel' to select 'Manual' if you want to configure the network settings manually. Confirm your entry with the 'Confirmation key' above the 'Scroll wheel'. Use the 'Upper right softkey' to go to the next step. You must now first follow the procedure to enter the network settings manually *Configure the network settings manually* on page *54*	
9	The following message is displayed: 'Auto network discovery in progress'	

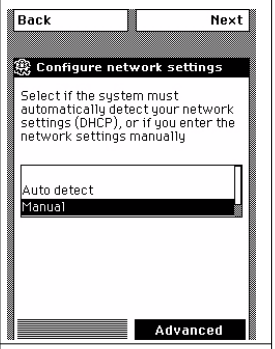
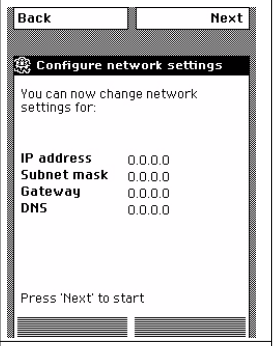
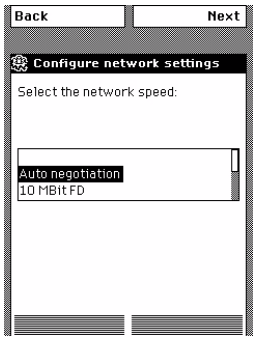
Step	Action	Remarks
10	The printer operator panel now displays the network settings. Record the IP address (for example, 134.188.26.173). You need this IP address to access the 'Océ Express WebTools' later in order to complete the printer configuration. Use the 'Upper right softkey' to finish the network installation procedure and to continue with the printer installation.	
11	The following message is displayed: 'Insert the toner cartridges' Follow the steps as indicated in the wizard to complete the installation of the printer. For more information about specific steps please refer to the following sections. *Load or replace a toner cartridge* on page *57* *Replace the maintenance tray* on page *60* *Load a media roll* on page *67*	

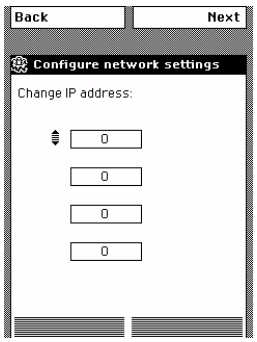
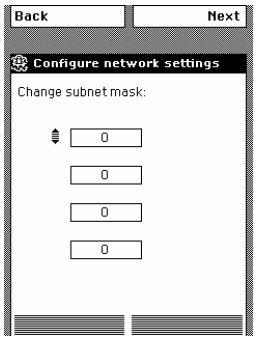
Configure the network settings manually

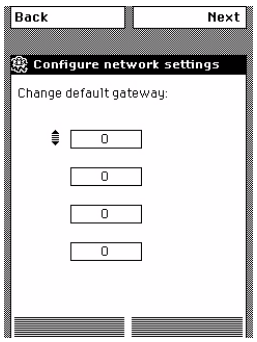
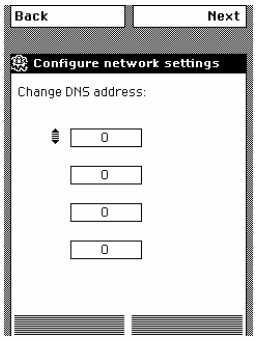
Introduction

If you want configure the network settings manually, please contact your network administrator to get information about the network infrastructure and parameters.

How to configure the network settings manually

Step	Action	Remarks
1	If you want enter the network settings manually, use the 'Scroll wheel' to select 'Manual'. Confirm your entry with the 'Confirmation key' above the 'Scroll wheel'. Use the 'Upper right softkey' to go to the next step.	
2	The printer operator panel displays the following message. 'You can now change network settings for:' 'Hostname' 'Suffix' Press the 'Lower right softkey' to select the 'Advanced' tab.	
3	Use the 'Scroll wheel' to select your network speed. ■ 'Auto negotiation' ■ '10 MBit FD' ■ '10 MBit HD' ■ '100 MBit FD' ■ '100 MBit HD' ■ '1000 MBit FD' Confirm your entry with the 'Confirmation key' above the 'Scroll wheel' Use the 'Upper right softkey' to go to the next step.	

Step	Action	Remarks
4	Enter your IP address. Use the 'Scroll wheel' to select the first numeric field. Confirm your selection with the 'Confirmation key' above the 'Scroll wheel'. Use the 'Numeric keys' to enter the first value of your IP address. Confirm your entries with the 'Confirmation key' Repeat this procedure for the other numeric fields until you entered the complete IP address. Use the 'Upper right softkey' to go to the next step.	
5	Enter your subnet mask. Use the 'Scroll wheel' to select the first numeric field. Confirm your selection with the 'Confirmation key' above the 'Scroll wheel'. Use the 'Numeric keys' to enter the first value of your subnet mask. Confirm your entries with the 'Confirmation key' Repeat this procedure for the other numeric fields until you entered the complete subnet mask. Use the 'Upper right softkey' to go to the next step.	

Step	Action	Remarks
6	Enter your default gateway. Use the 'Scroll wheel' to select the first numeric field. Confirm your selection with the 'Confirmation key' above the 'Scroll wheel'. Use the 'Numeric keys' to enter the first value of your default gateway. Confirm your entries with the 'Confirmation key' Repeat this procedure for the other numeric fields until you entered the complete default gateway. Use the 'Upper right softkey' to go to the next step.	
7	Enter your DNS address. Use the 'Scroll wheel' to select the first numeric field. Confirm your selection with the 'Confirmation key' above the 'Scroll wheel'. Use the 'Numeric keys' to enter the first value of your DNS address. Confirm your entries with the 'Confirmation key' Repeat this procedure for the other numeric fields until you entered the complete DNS address. Use the 'Upper right softkey' to go to the next step. You can now continue with step 10 of the installation wizard procedure. *Run the installation wizard from the printer operator panel* on page *49*	

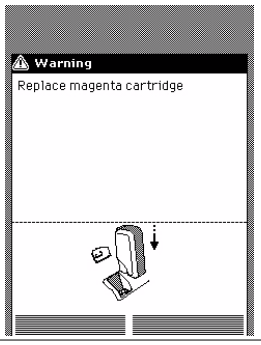
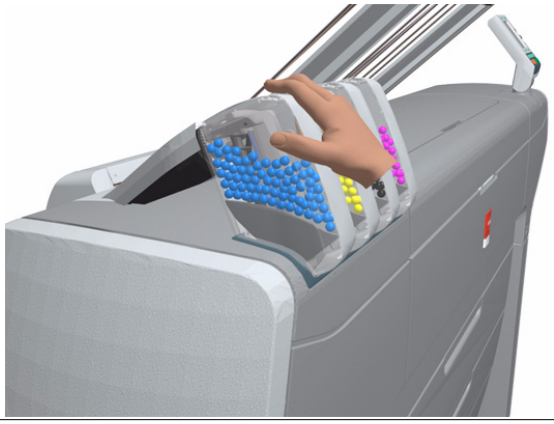
Load or replace a toner cartridge

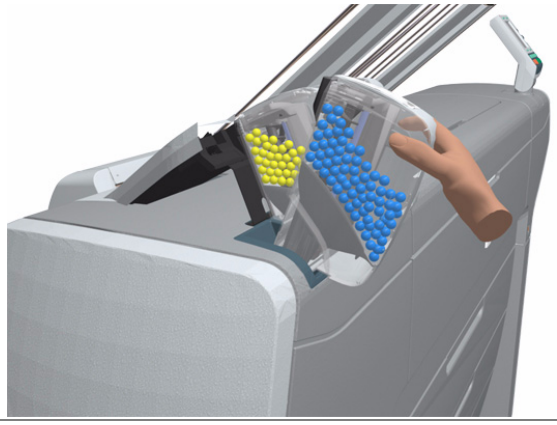
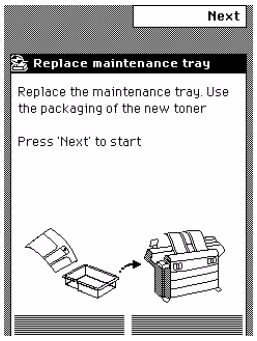
Illustration



Number	Component	Description / Function
9	'Toner cartridge' (cyan)	Toner cassette for cyan 'Océ TonerPearls™'
10	'Toner cartridge' (yellow)	Toner cassette for yellow 'Océ TonerPearls™'
11	'Toner cartridge' (black)	Toner cassette for black 'Océ TonerPearls™'
12	'Toner cartridge' (magenta)	Toner cassette for magenta 'Océ TonerPearls™'

How to load or replace a toner cartridge

Step	Action	Remarks
1	The printer operator panel displays a request when you must load or replace a toner cartridge.	
2	Unpack the toner cartridge. **Note:** *Please do not throw away the empty packaging of the new toner cartridge. This packaging is used as maintenance tray.*	
3	Remove the empty toner cartridge.	

Step	Action	Remarks
4	Place the new toner cartridge. **Note:** *You must place the toner cartridge in the correct color position. The toner cartridges have fixed positions.*	
5	When the new toner cartridge is placed correctly, the following message is displayed on the printer operator panel. 'Replace the maintenance tray. Use the packaging of the new toner cartridge.' Follow the instructions in the wizard. **Note:** *When you placed a new toner cartridge you must also replace the maintenance tray.* *Replace the maintenance tray on page 60.*	

Replace the maintenance tray

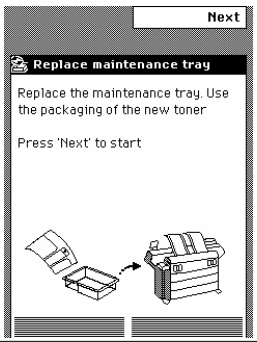
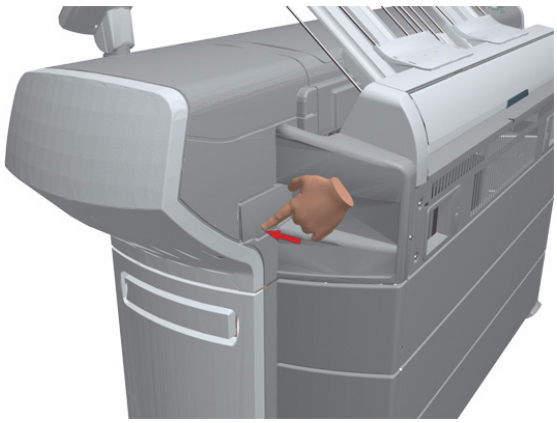
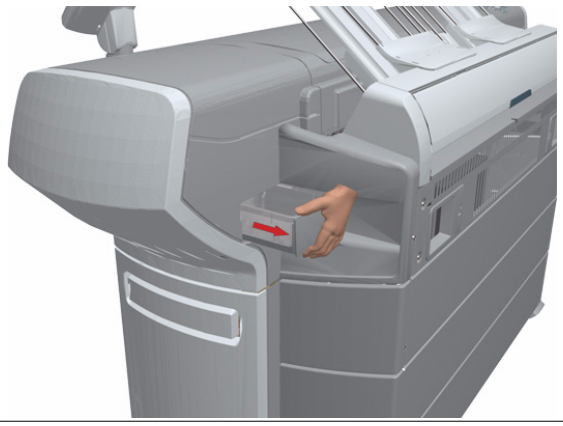
Illustration

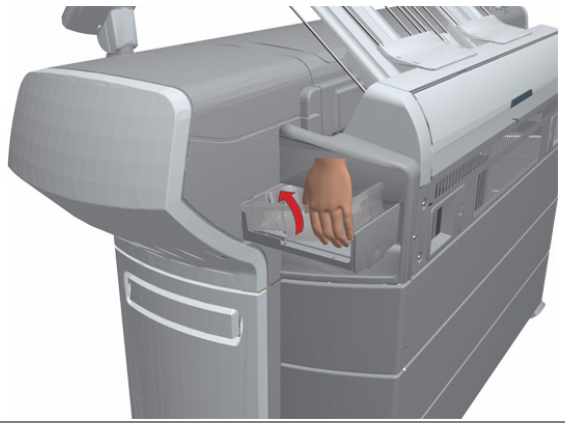
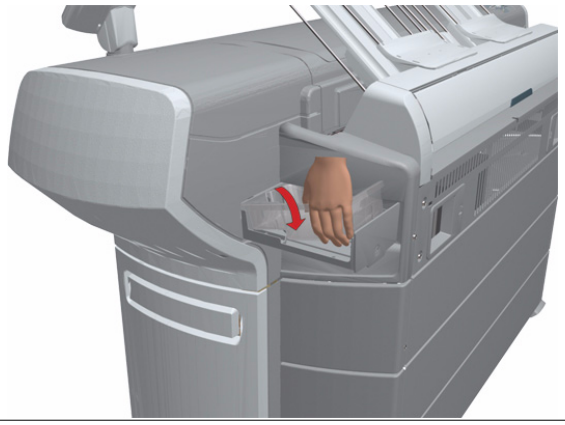
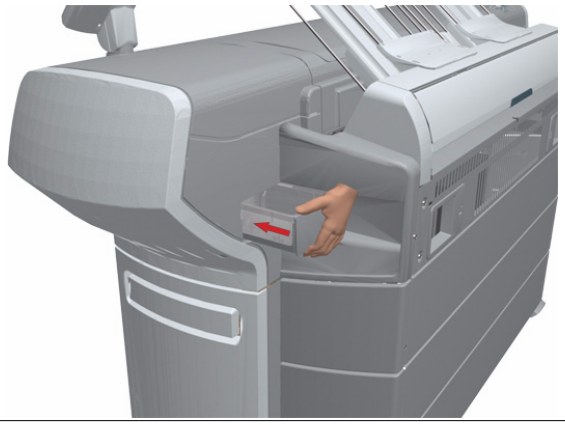
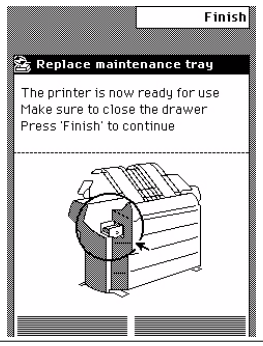


Number	Component	Description / Function
7	'Maintenance tray drawer'	

How to replace the maintenance tray

Attention: Always replace the maintenance tray when the 'Toner cartridge' is replaced.

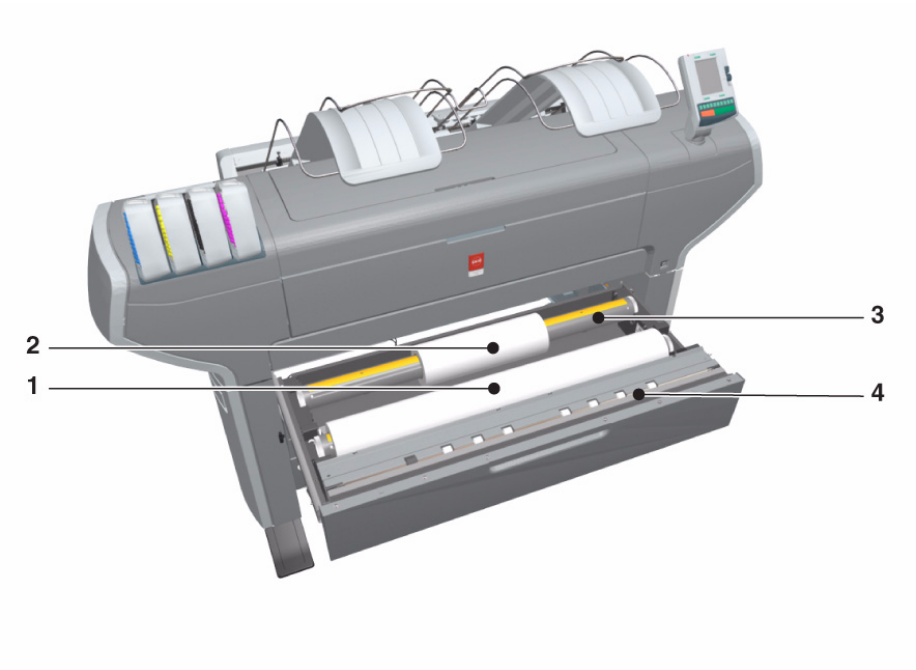
Step	Action	Remarks
1	The printer operator panel displays a request when you must replace the maintenance tray.	
2	Follow the instructions in the wizard. **Note:** *Please note that the 'Maintenance tray drawer' is located at the rear side of the Océ ColorWave™ 600 printer.* *Push the 'Maintenance tray drawer' to open it.*	
3	Pull the 'Maintenance tray drawer' open.	

Step	Action	Remarks
4	Lift the old maintenance tray out.	
5	Place the empty maintenance tray.	
6	Push the 'Maintenance tray drawer' shut.	
7	When the new maintenance tray is placed correctly, press 'Finish' on the 'Printer operator panel' to continue.	

Load a media roll

The 'Media drawer'

Illustration



Component - function table

Attention: Only use intact media rolls. Dented media rolls can damage the 'Imaging devices'.

Number	Component	Description / Function
1	'Roll' 1	Media roll 3 or 5 in other media drawers
2	'Roll' 2	Media roll 4 or 6 in other media drawers
3	'Roll holder'	Carries the media roll

Number	Component	Description / Function
4	'Roll loading station'	Groove integrated behind the front cover of the media drawer. To load new media on the printer, the operator must proceed as follows ■ place the new media roll temporarily on the roll loading station ■ insert the roll holder into the new media roll ■ place the roll holder with the new media roll in the correct roll position
5	'Roll loader' (optional)	Helps the operator to load a media roll.

Unpack the media roll

How to unpack the media roll



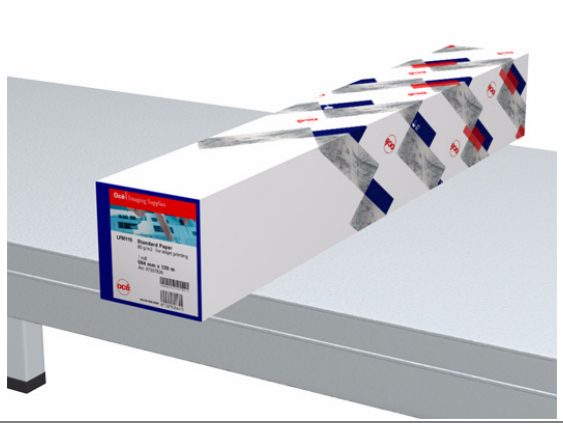
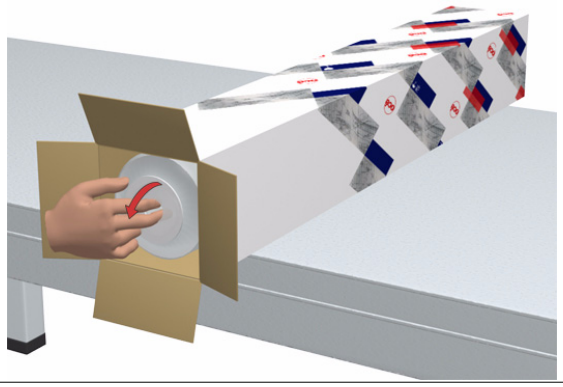
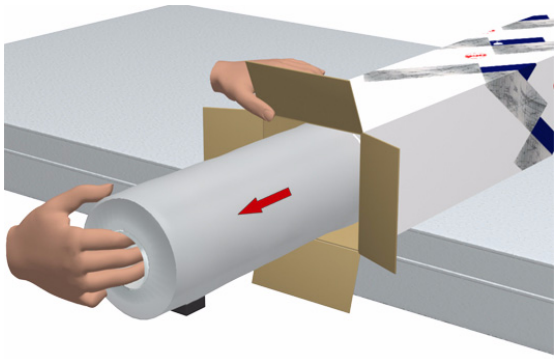
Attention: Handle the media roll with care. A dented media roll can damage the imaging devices.



Attention: Please note down the media code (for example LFM090) indicated on the sticker on the media box. You need this code to select the correct media type on the printer operator panel.



Attention: Always write the correct media name and media code inside the core, after you unpack the media roll. In that case, if you replace a media roll before it is empty and you want to re-use it later, you will have the correct media information available.

Step	Description	Illustration
1	Place the media box on a table and open it.	
2	Remove the plug from the media roll.	
3	Carefully remove the media roll from the box.	
4	Remove the other plug and plastic around the media roll.	

Load a media roll

How to load a media roll

Attention: Do not use dented media rolls to prevent damage to the imaging devices.

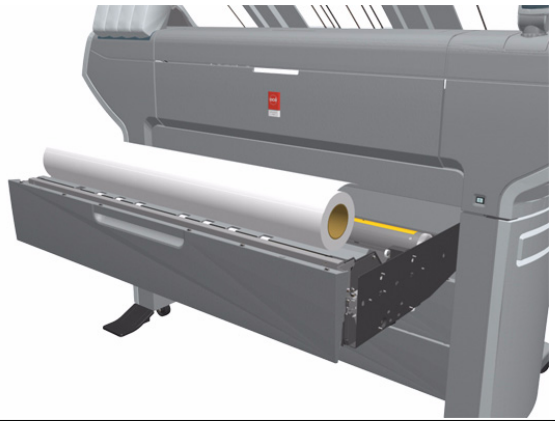
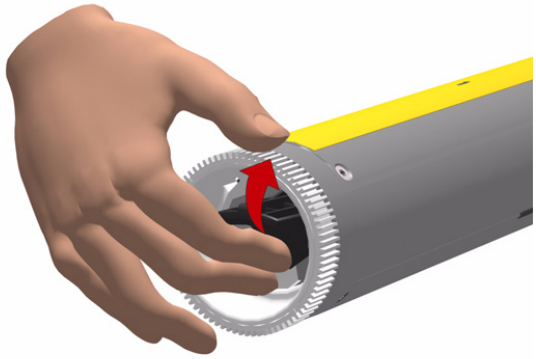
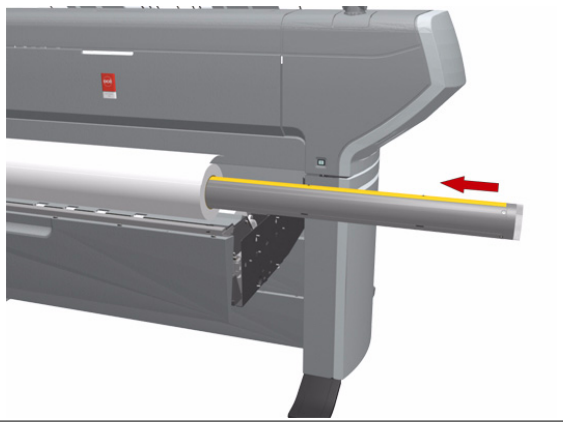
Attention: Do not open the media drawer during the print process.

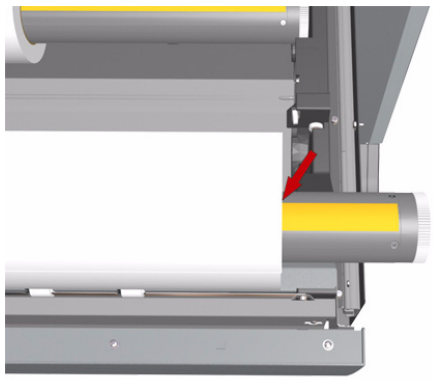
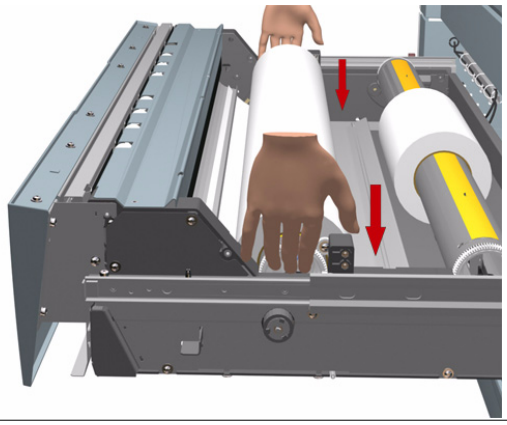
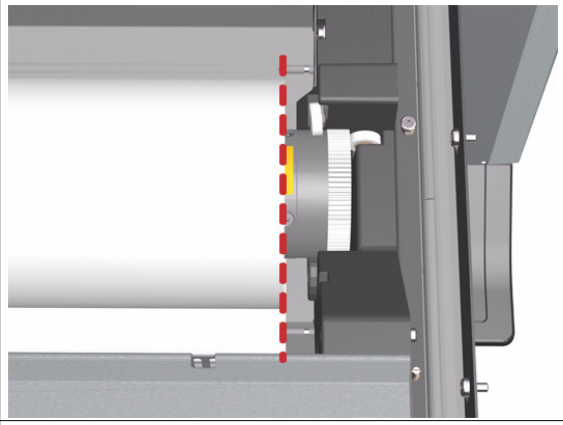
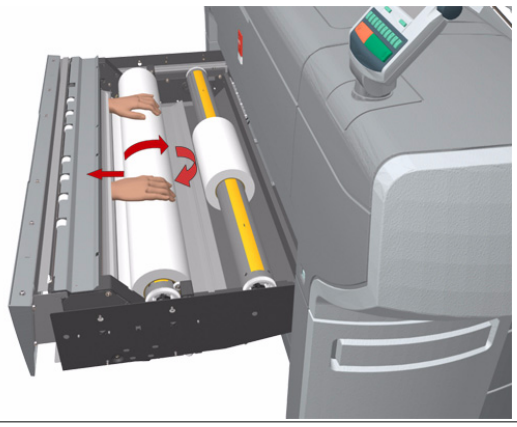
Attention: Do not open more than one media drawer at the same time to prevent overbalance of the printer.

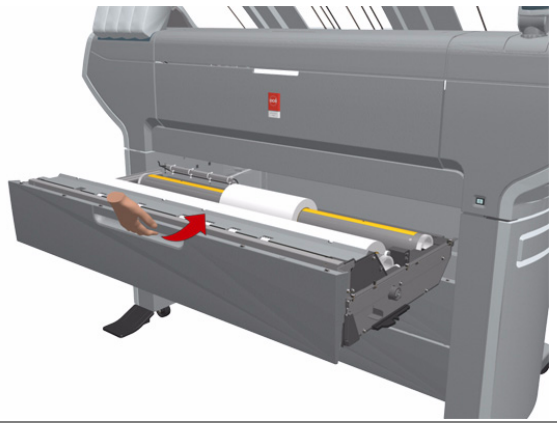
Attention: It is very important to select the media type with the correct media code (for example LFM090). You can find the media code of the new media roll on the sticker on media box. The media code represents a specific media profile that the Océ ColorWave™ 600 uses to optimize the printed output for the corresponding media type. If the correct media code is not available on your printer operator panel, you must first make a new media profile available on the printer operator panel. *Make a new media profile available on the printer operator panel* on page *139*

Attention: When you unpack a media roll, always write the correct media name and media code inside the core. In that case, if you replace a media roll before it is empty and you want to re-use the media roll later, you will have the correct media information available.

Caution: Watch your fingers when you handle the media roll.

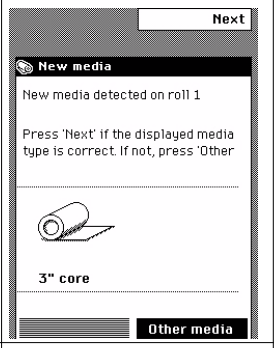
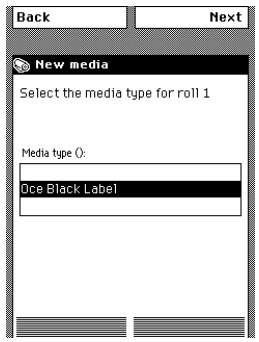
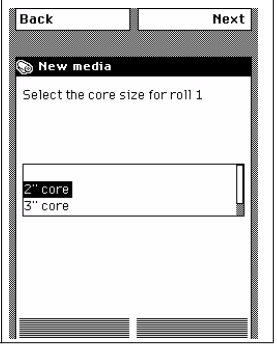
Step	Description	Illustration
1	Open the correct media drawer to load the new media roll.	
2	Place the new media roll on the roll loading station.	
3	Pull the handle of the roll holder locking mechanism towards you.	
4	Slide the roll holder in the core of the new media roll.	

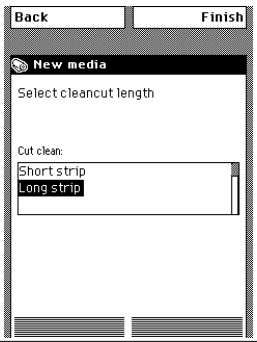
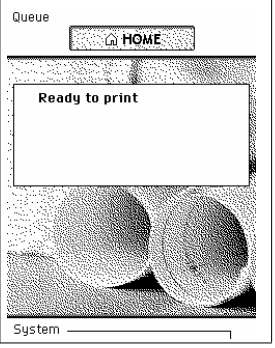
Step	Description	Illustration
5	Align the roll with the correct size indicator on the roll holder (At the left and right hand side). Release the handle of the locking mechanism.	
6	Remove the two tapes from the new media roll. Use both hands (as indicated) to place the media roll in the media drawer.	
7	Keep the media tight on the roll and in-line with the side edge.	
8	Remove the tapes from the new media roll. Use both hands to slide the media under the metal paper guide. A "beep" confirms correct paper transport.	

Step	Description	Illustration
9	Close the media drawer. **Note:** *Do not open the 'Media drawer' during loading.*	
10	The next screen appears on the printer operator panel.	

Define the media type and the core size

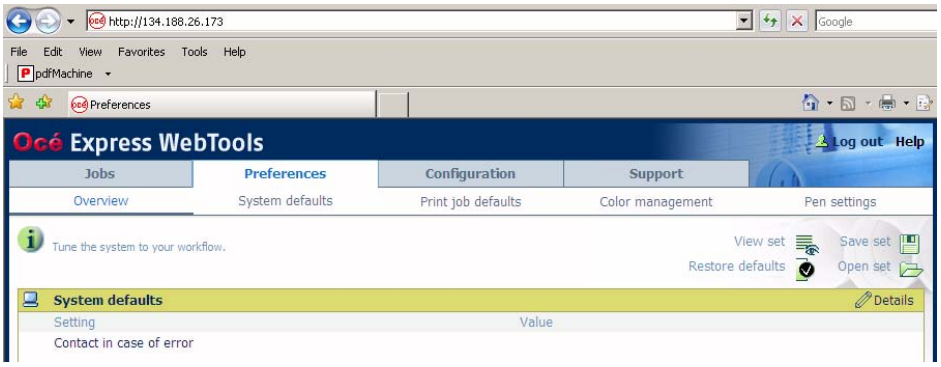
How to define the media type and the core size

Step	Screen	Screen dump
1	If the displayed media type and core size is correct you can press 'Next ' and go to step 4. Otherwise, press 'Other media' and continue with step 2.	
2	Use the 'Scroll wheel' to select the correct media type from the list and confirm your entry with the 'Confirmation key'. **Note:** *If the correct media type is not available on your printer operator panel, you must first make a new media profile available on the printer operator panel.* *Make a new media profile available on the printer operator panel on page 139*	
3	Use the 'Scroll wheel' to select the correct core size for your new media roll and confirm your entry with the 'Confirmation key'. **Note:** *The standard roll core size for the 'Océ ColorWave™ 600 Printer' is 3".*	

Step	Screen	Screen dump
4	Use the 'Scroll wheel' to select the clean-cut length for your new media roll and confirm your entry with the 'Confirmation key' **Note:** *Select 'Long strip' for new media.*	
5	Press 'Finish' and return to the 'Home' screen. **Note:** *When the strip is cut the new media is ready for use.*	

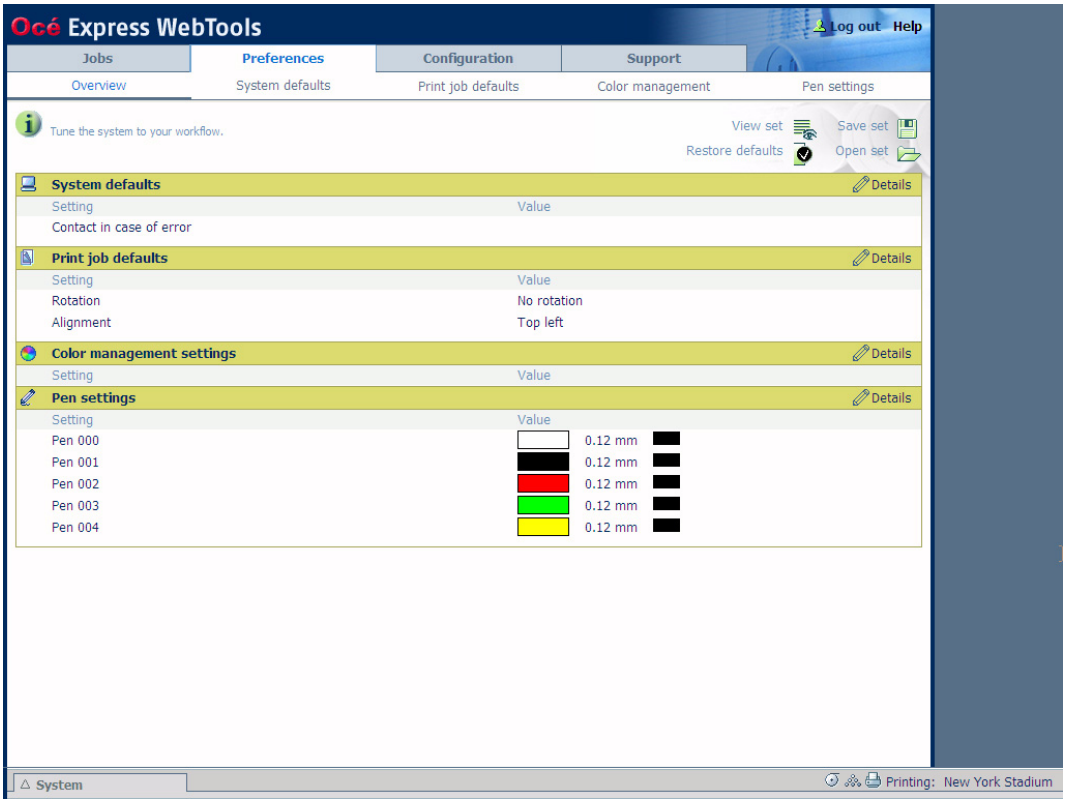
Complete the printer configuration in the Océ Express WebTools

1. Open a web browser on a customer workstation connected to the network.
2. Enter the following address: 'http://<Océ ColorWave 600 IP address>' (for example http://134.188.26.173) to access the Océ Express WebTools.

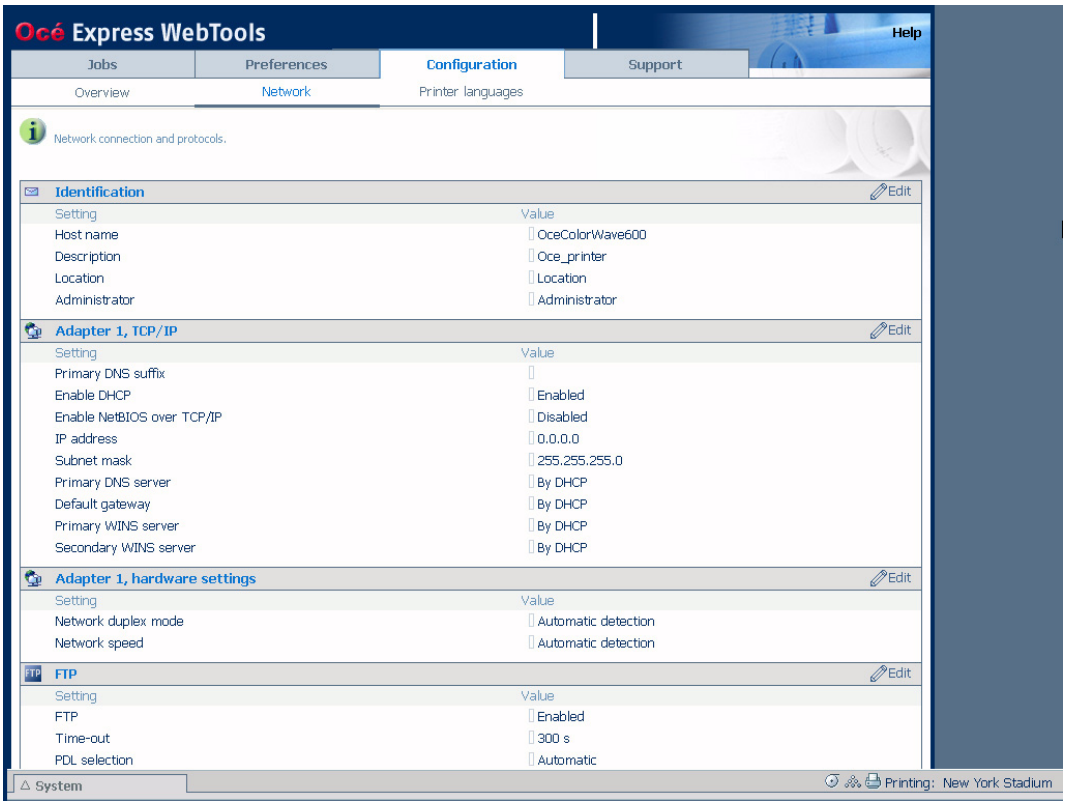


Note: *If the Océ Express WebTools do not appear, contact the network administrator to check the network parameters. Check if the Océ ColorWave™ 600 network settings have been registered in the network infrastructure.*

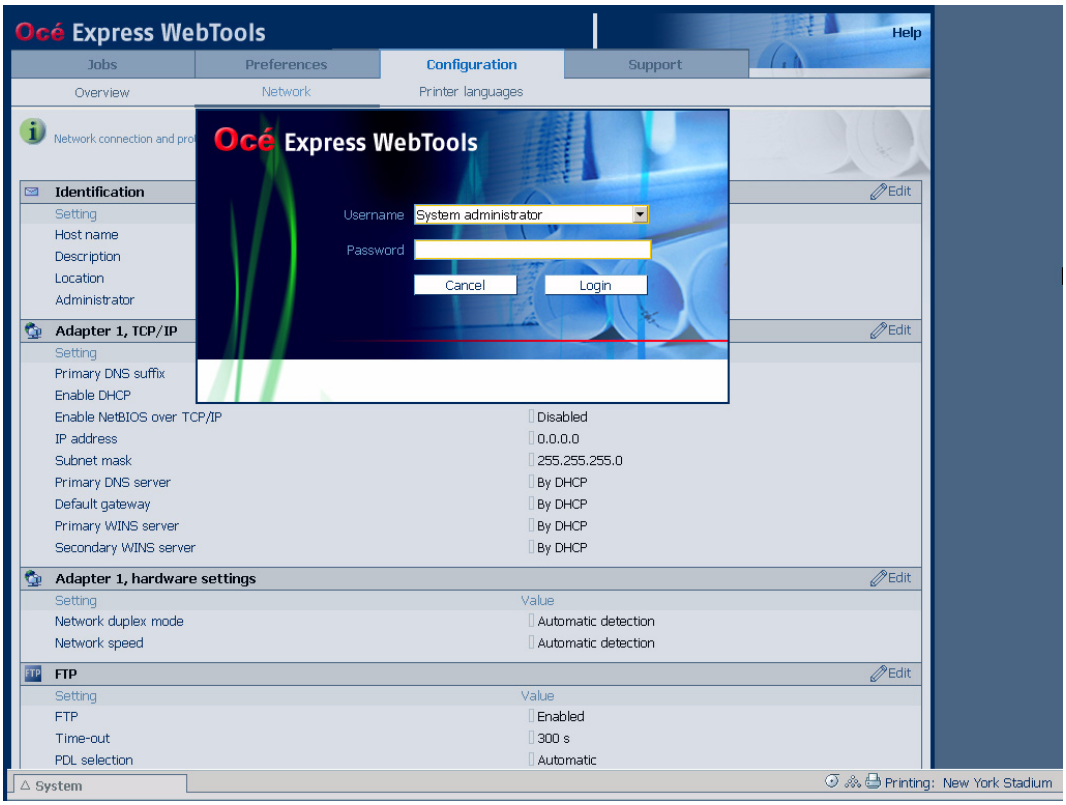
3. Select 'Configuration' - 'Network'.



4. In the 'Identification' section, click 'Edit'.

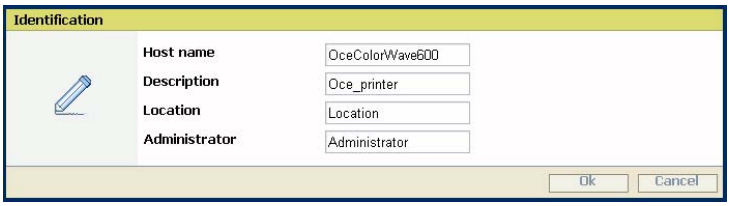


5. Use the password 'SysAdm' or the new password to logon as System administrator. See *Change the password* on page *91*

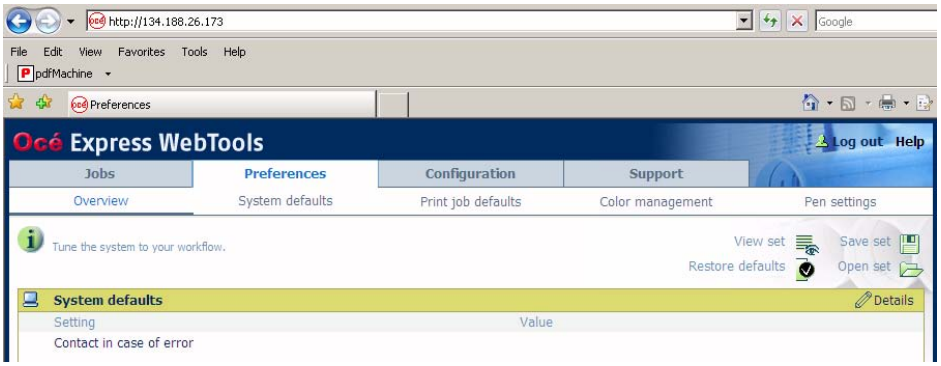


Note: *It is advised to change the password* *Change the password on page 91*.

6. Once logged in, enter the printer 'Host name' (for example: OceColorWave600) in the 'Identification' window, in order to address the Océ ColorWave™ 600 by its 'Host name'. You can define the other settings if needed. Restart is required.



7. Turn the printer off and on to restart the Océ ColorWave™ 600 printing system.
8. Wait until the system is ready again.
9. Enter the following address: 'http://<Océ ColorWave 600 Hostname>' (for example http://OceColorWave600) in the workstation web browser:
   If the Océ Express WebTools appear the printer is integrated in the network and ready for use.



If an error page ('Page cannot be displayed') appears, contact the network administrator. Check the Host name and the other web browser security and network settings.

Refer to the Océ TDS/TCS Connectivity Manual, 'Chapter 2 - Windows TCP/IP environment' to find technical information about the Océ ColorWave™ 600 integration in a network environment.

Configure the regional settings of the Océ ColorWave™ 600

Purpose

The regional settings are configured during the installation of your Océ ColorWave™ 600. If you want to change the initial configuration, you can do so in the 'Regional settings'.

Define the following settings for the printer.

- 'First language' and 'Second language' of the printer operator panel
- 'Measurement unit'
- 'Date format'
- 'Time format'
- 'Current date and time'

Note: *Every time you change the 'Measurement unit', the controller recalculates the values from millimeter to inches and vice versa. If you reverse to the original value of this setting a slight calculation difference can occur due to rounding differences.*

How to define the regional settings

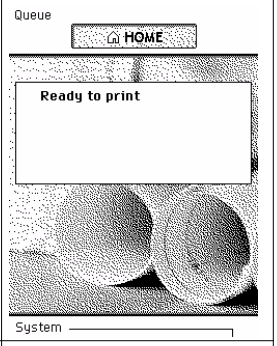
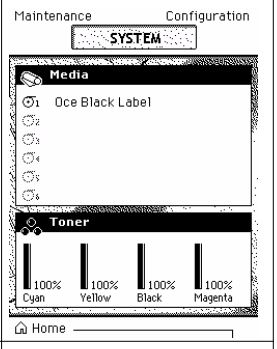
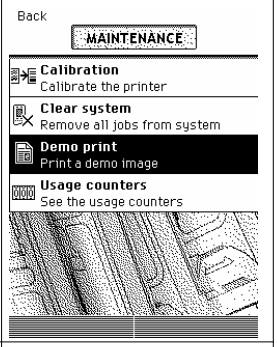
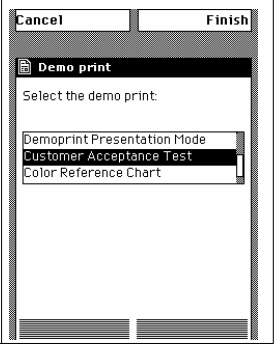
1. Select 'Preferences' - 'System defaults' - 'Regional settings'.
2. Click a single value, for example the value selected for 'First language',
   or
3. Click 'Edit' in the 'Regional settings' bar to access a window for all regional settings.
4. Modify the settings. You can choose between:
   - settings that are commonly used in the USA
   - or settings that are commonly used in the rest of the world.
5. Click 'Ok' to:
   - confirm you entries
   - or 'Cancel' to reject your entries.

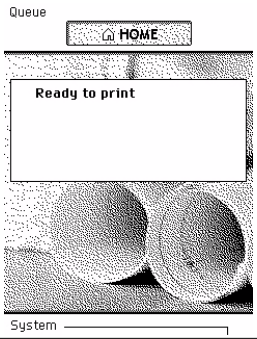
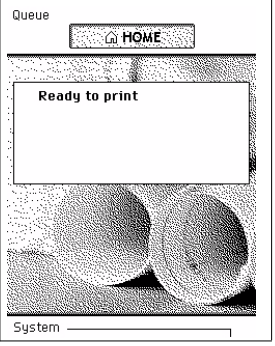
Print the Customer Acceptance Test (CAT) demo print

When to do

When you installed the printer and prepared the printer for use, you can print the Customer Acceptance Test demo print. You can use this demo print to check if the Océ ColorWave™ 600 works correctly.

How to print the Customer Acceptance Test (CAT) demo print

Step	Action	Remarks
1	From the 'Home' screen on the printer operator panel select the 'System' tab.	
2	Select the 'Maintenance' tab with the upper left softkey.	
3	Use the 'Scroll wheel' to select 'Demo print' and confirm with the 'Confirmation key' (above the 'Scroll wheel').	
4	Use the 'Scroll wheel' to select Customer Acceptance Test and confirm with the 'Confirmation key' (above the 'Scroll wheel').	

Step	Action	Remarks
5	Press 'Finish' to print the Customer Acceptance Test.	
6	Select ' Back' and 'Home' to return to the 'Home' screen.	

Result

Evaluate the Customer Acceptance Test print. Check if the print does not show any of the following output quality problems:

- *Banding across the print with differences in color and gloss* on page *268*
- *Horizontal, wavy lines across your print* on page *270*
- *Thin horizontal, colored or white lines across your print* on page *272*

If no output quality problems occur, the installation procedure is finished. Your Océ ColorWave™ 600 is now ready for use.

Chapter 4
Configure the printing system

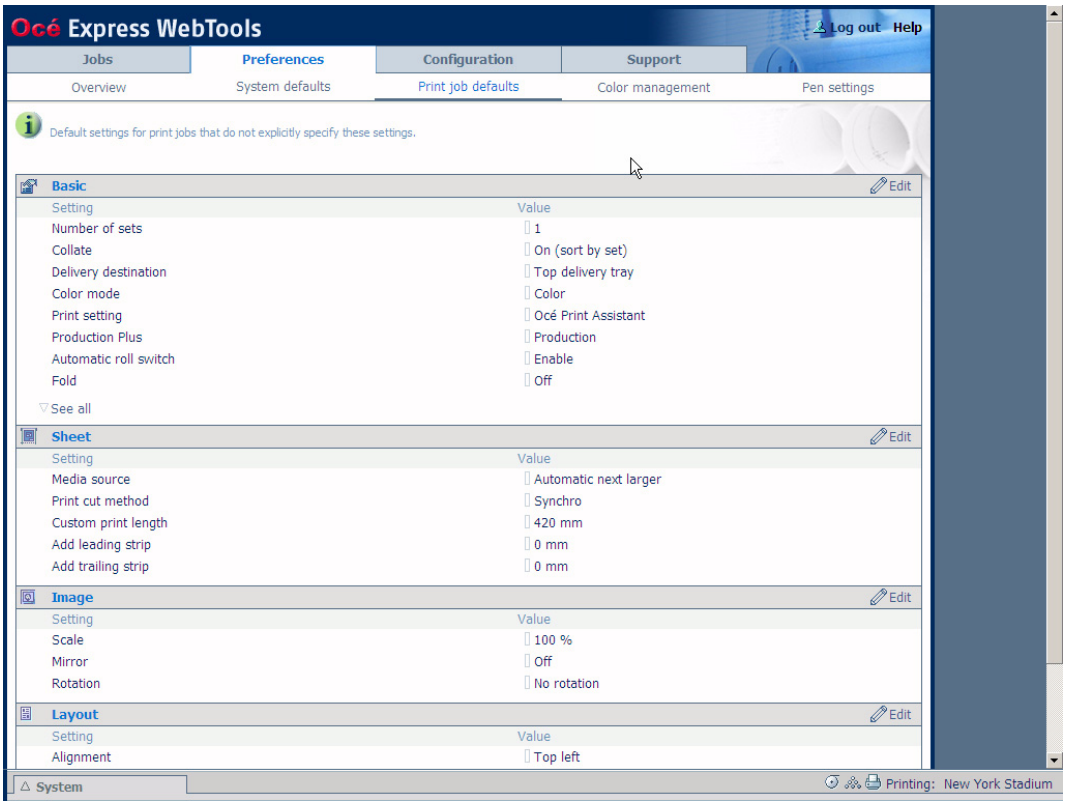
Introduction to the Océ Express WebTools

Purpose of the Océ Express WebTools

Definition

The Océ Express WebTools is an application that runs on the embedded Océ ColorWave™ 600 web server. You can use an Internet browser (Microsoft® Internet Explorer 6.0 (or higher) or Mozilla Firefox™ 1.5 (or higher) to open the home page of the Océ Express WebTools.
This application gives you access to the settings to manage the configuration and preferences of the Océ ColorWave™ 600. The settings related to the system configuration need to be configured only once. The settings that are more related to workflow preferences or an optimal tuning of the print job processing can be changed when necessary. To work with the Océ Express WebTools you must log in using one of three predefined user roles because the settings are all password protected. *User roles and authorizations* on page *88*

Illustration



'Jobs' tab

Editable for any user.

When you access the 'Jobs' tab you can do the following.

- Get an overview of job queue.
- Delete jobs in the queue.
- Move jobs in the queue to the top of the queue (increase priority).
- Submit a new job.
  To submit a new job click 'New job'. A new window opens, where you can define some basic job settings and where you can browse to the file you want to print.

'Preferences' tab

Editable for Key operator and Power user *User roles and authorizations* on page *88*.

The 'Preferences' tab contains the default settings to fine tune the system to optimally fit your company's workflow and processes.

Tab	Groups
'Preferences'	■ 'Overview' Summary of the settings organized in different groups. ■ 'System defaults' ■ 'Print job defaults' ■ 'Color management' ■ 'Pen settings'

'Configuration' tab

Editable for System administrator and Power user *User roles and authorizations* on page *88*.

The 'Configuration' tab contains the settings to install the system in your infrastructure, according to your standards. These settings are configured during installation and do not need frequent adjustment.

Tab	Groups
'Configuration'	■ 'Overview' Summary of the settings organized in different groups. ■ 'Network' ■ 'Printer languages'

'Support' tab

Editable for System administrator and Power user *User roles and authorizations* on page *88*.

The 'Support' tab contains the tasks that involve contact with Océ or reseller.

Tab	Groups
'Support'	'About' ■ Information about the Océ ColorWave™ 600 system software version. ■ View Total Area Click counter. The Total Area Click or 'TAC' is a new click that is a function of print volume (square meter) and of toner coverage (grams /square meter).
	'Media' ■ Overview of the media profiles active on the system. ■ Management of media profiles.
	'Update' ■ Information about the current Océ ColorWave™ 600 system software version. ■ Update the system software.
	'Licenses' ■ License details ■ Information to order a new license ■ Installation of a new license

Set another language for the Océ Express WebTools

Introduction

The language setting of the internet browser you use defines the language in which the user interface of the Océ Express WebTools is displayed.

Note: *This language setting does not influence the language on the printer operator panel.*

Purpose

Change the language setting of the user interface of the Océ Express WebTools.

Note: *If the selected language cannot be supported, the standard user interface language for the Océ Express WebTools will be US English.*

How to change the language setting in Microsoft® Internet Explorer

1. Open Microsoft® Internet Explorer.
2. Select Tools menu - Internet options. The internet options window appears.
3. Make sure the General tab is selected.
4. Click the Languages button in the lower part of the window. Another window opens.
5. Select the language of your choice. A new language can be added to the list with the Add button.
6. Move the newly added language up in the list to the top position.
7. Click OK to confirm or Cancel to close both windows again.
8. Click Refresh in the toolbar or open another page. The language of the application will be changed.

Note: *It is possible that the internet options are put under a different menu, depending on the Microsoft® Internet Explorer version you use.*

How to change the language setting in Mozilla Firefox™

1. Open Mozilla Firefox™.
2. Select the Extra menu - Options. The Options window appears.
3. Click the Advanced button and make sure you have selected the General tab.
4. In the Languages section click the Choose... button. Another window opens.
5. Select the language of your choice. A new language can be added to the list with the Add button.
6. Move the newly added language up in the list to the top position.

7. Click OK to confirm or Cancel to close both windows again.
8. Click Reload in the toolbar or open another page. The language of the application will be changed.

User roles and authorizations

Introduction

The settings in the Océ Express WebTools must be configured and managed to enable the optimal performance of the Océ ColorWave™ 600.
You can view all the settings in the Océ Express WebTools but when you want to edit a setting, a message appears. This message indicates that the setting is password protected. You must log in, before you have the rights and authorizations to change a setting. Logging in requires a password.

Overview of user roles and authorizations

The table below displays the different user roles and the authorizations that belong to the role.

User role	Description
'Key operator'	Besides the normal use of the system, the 'Key operator' takes care of the systems daily maintenance and is authorized to change all default settings in the 'Preferences' tab of the 'Océ Express WebTools'.
'System administrator'	The 'System administrator' takes care of the integration of the system into the infrastructure of the customer and does not necessarily know how to operate the system for printing. The 'System administrator' is authorized to change all settings in the 'Configuration' tab of the 'Océ Express WebTools'.
'Power user'	The 'Power user' is authorized to access all functionality of the 'Océ Express WebTools'.

Log in as an authorized user

Purpose

In order to have write access for certain groups of settings, you must log in as an authorized user. There are 3 user roles, System administrator, Key operator and Power user who have authorization to edit specific groups of settings. You do not need to log in before you start a session. The system will only display a message when you need to log in to perform an action.

Before you begin

Navigate through the tabs and select the value of a setting you wish to change.

How to log in as an authorized user

1. After you click the value of the setting you want to edit, a log in window appears.
2. You can select a user role from the drop down list.

Note: *The user role with the required authorization is already selected.*

3. Enter the password.

Note: *For security reasons it may be useful to periodically change the password for the 3 access modes (Key operator, System administrator, Power user) to the Océ Express WebTools.*

4. Click 'Ok' to confirm your entry.

Result

If the password is entered incorrectly, a message appears. You can enter the password again to get read and write access.

Note: *Once you have logged in, the log in lasts for the duration of the browser session. If you have not been active for more than 30 minutes, the session expires and you need to login again.*

Log out after your session

Purpose

When you have finished the modification of a setting, it is advised to log out again. This way, it is not possible for another user to access and change the settings.

How to log out after you have finished your session

1. Click the log out hyperlink in the **top right-hand corner** of the screen.
   or
2. Close the screen of your internet browser.

Change the password

When to do

For security reasons it is advised to periodically change the password for the 3 access modes (Key operator, System administrator, Power user) to the Océ Express WebTools.

How to change the password

1. Click 'Preferences' - 'System defaults' - 'Passwords'.
2. Expand the 'Passwords' section.
3. Depending on the password you want to change select 'Key operator password', 'System administrator password' or 'Power user password'. A secondary window appears.
4. Log in as Key operator to change the key operator password. The default key operator password is KeyOp.
   Log in as System administrator to change the system administrator password. The default system administrator password is SysAdm.
   Log in as Power user to change all the passwords. The default power user password is PowUsr.

Note: *The passwords are case sensitive. You can enter the following range:*
A-Z
a-z
0-9
- _@#$%^&()\?/*
You cannot use Chinese, Cyrillic or Japanese characters.

5. Enter the new password twice to confirm your input. The password is hidden.
6. Click 'Ok' to confirm your entries or 'Cancel' to reject your entries.

Update the Océ ColorWave™ 600 software

Introduction

The Océ Express WebTools allow you to update your system software.

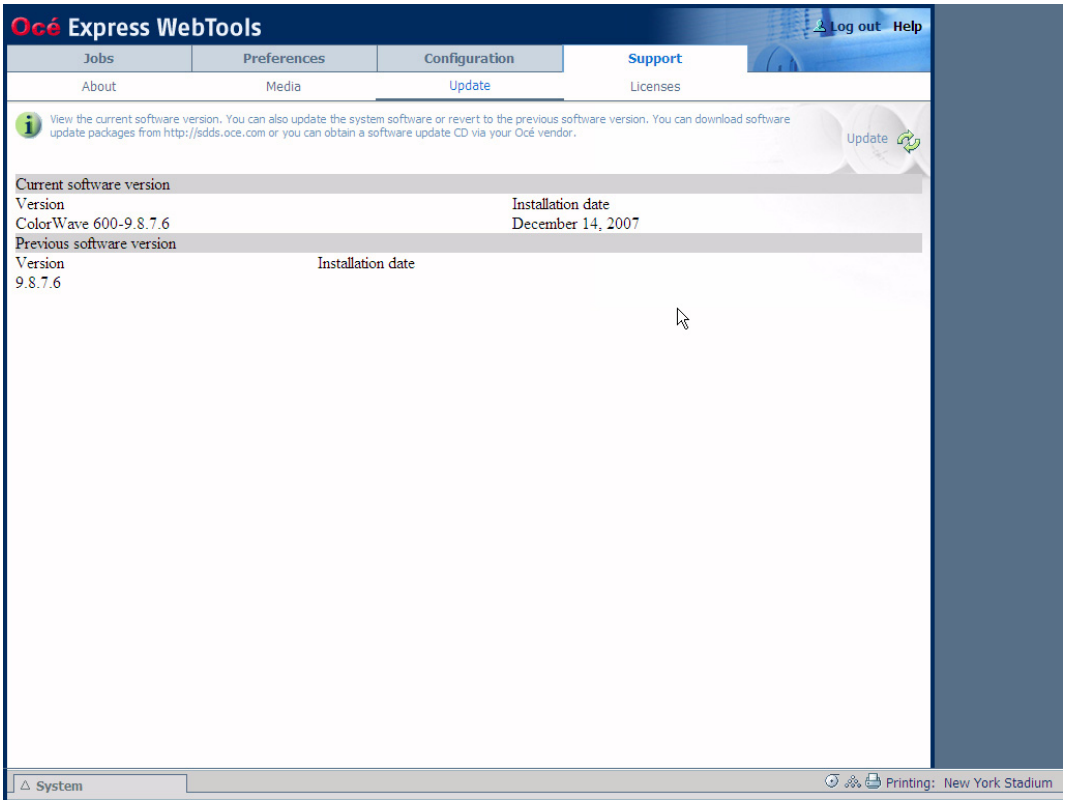
Before you begin

This setting is editable for the System administrator or Power user.

How to update the Océ ColorWave™ 600 software

Attention: The software update procedure can take quite some time!

1. Click the 'Support' - 'Update' tab in the Océ Express WebTools.
   This tab gives you information about your current software version and the install date of this software version.



2. Click 'Update' to start the wizard that helps you to install updates and patches.
3. Follow the steps in the wizard.

View and check the settings

Purpose

View and check the settings and the values that are stored when you create a back-up file.

When to do

- Before you create a back-up file of the data in the Océ Express WebTools.
- To check which settings are no longer set to the factory default value.

Note: *Not all settings are stored in the back-up file. The network settings and the passwords are excluded from the back-up file for security reasons. License information and media profiles are not included in the back-up file either.*

How to view and check the settings before they are stored in a back-up file

1. Click the 'Configuration' tab or the 'Preferences' tab.
2. Click 'View set' in the **top-right hand corner** of the screen. A secondary window is opened.
3. Scroll through the list of settings. The first column displays the setting and the second column displays the values. A "*"indicates that the value of the setting is different from the original factory default value.

Result

If you have more than one Océ ColorWave™ 600 you can use the save and load functions to quickly and easily roll out the same settings for all the Océ ColorWave™ 600 print systems.

Note: *You can print the information with the standard print function of your browser.*

Create a back-up file of the settings

Purpose

Create a back-up file with the settings and the values that you configured in the Océ Express WebTools.

When to do

- Duplicate the settings very easily to another printer.
- Create a back-up file of the system settings periodically to prevent the loss of information in case the system is re-installed or has technical problems.

Note: *Not all settings are stored in the back-up file. The network settings and the passwords are excluded from the back-up file for security reasons. License information and media profiles are not included in the back-up file either.*

How to create back-up file of the settings

1. Click the 'Configuration' tab or the 'Preferences' tab.
2. Click 'Save set' in the **top-right hand corner** of the screen. A secondary window is opened.
3. Navigate to a location on the network to store the back-up file.
4. Save the settings<hostname of printer><date>.xml file. The file name is not fixed. You can change the name if required.
5. Click 'Ok' to confirm or 'Cancel' to close the window without storing the back-up file.

Restore a back-up file

When to do

- Duplicate the settings to another printer.
- Go back to the settings that you have saved in a previous back-up file.

Note: *Not all settings are restored in the back-up file. The network settings and the passwords are excluded from the back-up file for security reasons. License information and media profiles are not included in the back-up file either.*

How to restore a back-up file

1. Click the 'Configuration' tab or the 'Preferences' tab.
2. Click 'Open set' in the **top-right hand corner** of the screen. A secondary window is opened.
3. Navigate to a location on the network and select the back-up file.
4. Click 'Ok' to load the back-up file or 'Cancel' to close the window without restoring the back-up file.

Result

The values of the settings in the back-up file overwrite the current values. The network configuration settings of the system and the passwords are not restored to prevent connectivity problems and to guarantee the integrity of the passwords.

Licenses are updated and restored through another mechanism. They are not changed after you restore the back-up file. Media profiles cannot be stored. If you want to return to a previous version of a media profile you have to download the media profile from the Océ web site again and upload it to the system.

Restore the factory defaults

When to do

- When you want to restore the factory default settings and values of your Océ Express WebTools.

How to restore the factory defaults

1. Click the 'Configuration' tab or the 'Preferences' tab.
2. Click 'Restore defaults' in the **top-right hand corner** of the screen. A secondary window is opened.
3. Click 'Ok' to restore the factory default settings or 'Cancel' to close the window without restoring the factory defaults.

Check your licenses

About the licenses

The 'Support' - 'Licenses' tab in the Océ Express WebTools allows you to manage the licenses that are active on your system. A license is needed to activate certain functions on your Océ ColorWave™ 600.

You can use the 'Support' - 'Licenses' tab to perform the following tasks.

- View the current active licenses.
- Get the host id of the Océ system.
- Save the active licenses.
- Perform a license activation job.
  You can activate new licenses or saved licenses.

License information overview

Click 'Support' - 'Licenses' to view the available licenses.

You can view the license information for the following purposes.

- Check the active licenses on license state, license type and license duration.
- Check how long a demo license is valid.
- View all options available for your Océ system.
  The list of options depends on the type and version of the Océ system.
- Make a list of new options you need.
- Make a list of license numbers.

Information	Description
'Option'	This field displays the name of the option. For Océ ColorWave™ 600 the following licenses are available. ■ Océ ColorWave™ 600 base license. ■ Adobe® PostScript 3 / PDF. ■ Japanese PostScript fonts. ■ Simplified Chinese PostScript fonts. ■ Traditional Chinese PostScript fonts.
'State'	This field displays one of the following license states. ■ 'Authorized'. You are authorized to use the function. ■ 'Not authorized'. You are not authorized to use the function, you need to get a license for the function. ■ 'Expired'. Your license was a temporary license. You need to get a new license to use the function. ■ 'Update configuration'. This state indicates that there is a newer version of a function (e.g. more scan memory for scan-to-file).
'License type'	This field displays one of the following license types. ■ 'Resale'. ■ 'Demo'.
'Duration in days'	This field displays the time your license is valid.
'License number'	This field displays a license number.

Save the currently active licenses

Introduction

You can save all current active licenses of different licenses types into one single file.

Purpose

Save the current active licenses for the following purposes.

- Collect and save all active licenses of different types into one single file
- Create a back-up file before you start a license activation job.

When to do

Save the current active licenses before you start a license activation job or to save the current license situation.

How to save the license information

1. Click 'Support' - 'Licenses' to display the license information page.
2. You need to log on as System administrator or Power user if you are not logged on already.
3. Click the 'Save' button.
   The 'Save licenses' window opens.
4. Select a directory, enter the file name and click the 'Save' button to back-up the currently active licenses.

Result

All currently active resale and demo licenses are stored into one single file.

Get a new license

Introduction

The Océ applications and optional functions are protected against unauthorized use. You need to activate the license to enable an application or optional function for use. The 'Licenses' tab enables you to upload new license files to activate a license.

Purpose

- Upload a new license file.
- Extend the existing license on your Océ ColorWave™ 600.

Note: *After the license is uploaded you must restart your system to activate the license file.*

How to get a new license file

1. Click 'Support' - 'Licenses' to display the license information page.
2. The login window appears. Log on as System administrator or Power user.
3. Click the host id hyperlink to display the host id information.
4. Copy the id and send the host id information to your Océ representative together with a list of options that you require.
5. After receiving the license file(s), store the file(s) on the network.

Attention: It is advised to store the license information of the currently active license files in a back-up file before you activate a new license file. Use the 'Save' button to store the current license files information.

Upload a new license

1. Click 'Activate' to open a browser window to search for the license file on the network.
2. Log on as System administrator or Power user.
3. Browse the network and select the license file.
4. Click 'Ok' to start the activation of the license file. A message is displayed when the process is completed.
5. Restart the system to activate the changes.

Result

- If you have updated an expired license, the new license file overwrites the previous license file.
- If you have uploaded a new license, the license state in the overview is changed from 'Not authorized' to 'Authorized'.

Configure the printer

The 'System defaults' tab in the Océ Express WebTools

Configure the regional settings of the Océ ColorWave™ 600

Purpose

The regional settings are configured during the installation of your Océ ColorWave™ 600. If you want to change the initial configuration, you can do so in the 'Regional settings'.

Define the following settings for the printer.

- 'First language' and 'Second language' of the printer operator panel
- 'Measurement unit'
- 'Date format'
- 'Time format'
- 'Current date and time'

Note: *Every time you change the 'Measurement unit', the controller recalculates the values from millimeter to inches and vice versa. If you reverse to the original value of this setting a slight calculation difference can occur due to rounding differences.*

How to define the regional settings

1. Select 'Preferences' - 'System defaults' - 'Regional settings'.
2. Click a single value, for example the value selected for 'First language',
   or
3. Click 'Edit' in the 'Regional settings' bar to access a window for all regional settings.
4. Modify the settings. You can choose between:
   - settings that are commonly used in the USA
   - or settings that are commonly used in the rest of the world.
5. Click 'Ok' to:
   - confirm you entries
   - or 'Cancel' to reject your entries.

Define the display languages of the printer

Introduction

The Océ Express WebTools allows you to define the 'First language' (the default display language) and the 'Second language' (the alternative display language) for the printer operator panel.

The 'First language' and the 'Second language' you defined in the Océ Express WebTools are also the display languages that are available on the printer operator panel. You can toggle between these two languages using the operator panel.

Before you begin

Access the Océ Express WebTools. This setting can be edited by the key operator and the system manager.

How to define the default and the alternative display languages in the Océ Express WebTools

1. Select 'Preferences' - 'System defaults' - 'Regional settings'.
2. Click the value for 'First language',
   or
3. Click 'Edit' in the 'Regional settings' bar to access a window for all regional settings.
4. Select the first display language that you can choose for the operator panel from the drop down list.
5. Click 'Ok' to confirm you entries or 'Cancel' to reject your entries.
6. Repeat the same steps to define a second display language for the operator panel.

Note: *The Océ ColorWave™ 600 supports 3 display languages.*

Configure the 'Media request time-out'

Introduction

The Printer operator panel displays a media request when a media is requested that is not available. When this setting is disabled, the media request will be displayed until it is resolved.

Note: *When enabled, the 'Action after media request time-out' setting determines if the printer either deletes the job or puts the job in attention state when the media request is not resolved within a given period.*

When to do

Enable the setting and define a suitable time-out period that does not interfere with the print productivity. To avoid the deletion of jobs, disable this setting.

How to configure the 'Media request time-out'

1. Click 'Preferences' - 'System defaults' - 'Timers'.
2. Click 'Edit' in the 'Timers' bar or click the value of the 'Media request time-out' setting.
3. When you enable the setting, you must enter a time period as well. If you choose to disable the setting, the time period will not be adjustable.
4. Click 'Ok' to confirm you entries or 'Cancel' to reject your entries.

How to configure the 'Action after media request time-out'

1. Click 'Preferences' - 'System defaults' - 'Timers'.
2. Click 'Edit' in the 'Timers' bar or click the value of the 'Action after media request time-out' setting.
3. Click 'Put the job on attention state' or 'Delete the job'.
4. Click 'Ok' to confirm you entries or 'Cancel' to reject your entries.

Configure the 'Printer panel time-out'

Introduction

The printer operator panel can automatically return to the Home screen. When this setting is disabled, the panel never returns to the Home screen automatically.

Note: *When enabled, the printer operator panel returns to the Home screen when the keys and the scroll wheel are not activated during the specified time-out period.*

When to do

Enable the setting and define a suitable time-out period that does not interfere with the print productivity.

How to configure the 'Printer panel time-out'

1. Click 'Preferences' - 'System defaults' - 'Timers'.
2. Click 'Edit' in the 'Timers' bar or click the value of the 'Printer panel time-out' setting.
3. When you enable the setting, you must enter a time period as well. If you choose to disable the setting, the time-out period will not be adjustable.
4. Click 'Ok' to confirm you entries or 'Cancel' to reject your entries.

Configure the energy save modes of the Océ ColorWave™ 600

Introduction

The Océ ColorWave™ 600 offers two energy save modes that you can set if the printer is idle for a defined period. The configuration of the timers prevents unnecessary power consumption. You can adjust the value of the timers.

When to do

Sleep mode timer.
The Océ ColorWave™ 600 uses minimal energy, because the power supply of the printer is turned off. The power supply of the embedded Océ ColorWave™ 600 controller ('Océ PowerM controller' / 'Océ PowerM Plus controller ') remains on. The printer needs to warm up when it wakes up from the sleep mode.

Energy save mode timer.
Both the printer and the Océ ColorWave™ 600 controller remain turned on. The Océ ColorWave™ 600 uses less energy than in normal operating mode, but the printer uses more energy than in sleep mode. The advantage of the energy save mode over the sleep mode is that the printer needs just a few seconds to wake up.

Note: *The value you set for the sleep mode timer must be higher than the energy save mode value. If the value of the sleep mode is lower than the energy save mode, the printer skips the energy save mode and goes into sleep mode. The power consumption will be lower but it will also take the printer a bit longer to wake up again.*

How to configure the time-out value of the energy save modes

1. Click 'Preferences' - 'System defaults' - 'Timers'
2. Click the value you want to change or click 'Edit' in the 'Timers' bar.
3. Enter a new value in the Edit window and click 'Ok' to confirm your entries or 'Cancel' to reject your entries.

Note: *If you access the Edit window by clicking the value of the setting you want to change, the Edit window displays the minimal and maximal value you can select.*

Note: *When the Océ ColorWave™ 600 is in the energy save mode, there are three ways to activate the system.*

- *press a key on the printer operator panel.*
- *send a job.*

Define the media configuration of the Océ ColorWave™ 600

Introduction

You must indicate in the Océ Express WebTools the following settings.

- The core size of the media rolls
- The folder value
- The media series

How to define the core size of the media



Attention: Access the Océ Express WebTools. This setting is editable for the Key operator and the Power user.

1. Navigate to 'Preferences' - 'System defaults' - 'Hardware configuration'.
2. Click the value for 'Two-inch core used' to access the edit window and indicate if you also use 2 inch cores.
   The standard roll core size for the Océ ColorWave™ 600 is 3 inch. If you also use media rolls with 2 inch cores the Océ ColorWave™ 600 must do some internal adjustments to also support these media.
3. Click 'Ok' to confirm your entries or 'Cancel' to reject your entries.

How to define the folder value



Attention: Access the Océ Express WebTools. This setting is editable for the Key Operator and the Power user.

1. Navigate to 'Preferences' - 'System defaults' - 'Hardware configuration'.
2. Set the value to 'on' if a folder is connected to the external output at the rear side of the printer.
   The default folder value is 'Off'. You must only change this value if your hardware configuration changes.
3. Click 'Ok' to confirm your entries or 'Cancel' to reject your entries.

How to define the media series

Attention: Access the Océ Express WebTools. This setting is editable for the Key operator and the Power user.

1. Navigate to 'Preferences' - 'System defaults' - 'Hardware configuration'.
2. Click the value for 'Media series' to access the edit window and select the correct media series.
   For standard formats listed below, the shortest dimension is the supported roll width in the media series.
   If you want to select a new media size on the printer operator panel, only the sizes in the defined media series are available.

Setting	Group	Values
'Media series'	'DIN'	A0, A1, A2, A3, A4, B1 (707 mm), B2, 36 inch, 42 inch.
	'DIN Carto'	A0, A1, A2, A3, A4, B1 (700 mm), B2, 36 inch, 42 inch.
	'DIN extended'	A0, A1, A2, A3, A4, B1 (707 mm), B2, 36 inch, 42 inch, 450 mm, 625 mm, 880 mm, and 900 mm.
	'ANSI small'	E, D, C, B, A.
	'ANSI mixed'	E+, E, D+, D, C+, C, B+, B, A+, A, 30 inch and 42 inch.
	'ANSI extended'	E+, E, D+, D, C+, C, B+, B, A+, A, 15 inch, 21 inch, 30 inch and 42 inch.

3. Click 'Ok' to confirm your entries or 'Cancel' to reject your entries.

The 'Configuration' tab in the Océ Express WebTools

Configure the network settings in the Océ Express WebTools

How to configure the network settings in the Océ Express WebTools

1. Click 'Configuration' - 'Network' - 'Adapter 1, TCP/IP'.
2. Click 'Edit' in the group bar to access the 'Edit' window. You can edit all the settings of the 'Adapter 1, TCP/IP' group in one window.
   or
3. To edit only one setting in the 'Adapter 1, TCP/IP' group, click a single setting value in the expanded list.

Note: *Log on as System administrator or Power user in the Océ Express WebTools.*

For example, click 'Enable DHCP' to display a window where you can change the setting.

Note: *This window also contains a short explanation of the setting.*

4. Click 'Configuration' - 'Network' - 'Adapter 1, hardware settings' and edit the settings if necessary.
5. Click 'Ok' to confirm you entries or 'Cancel' to reject your entries.

Relevant settings on the printer operator panel

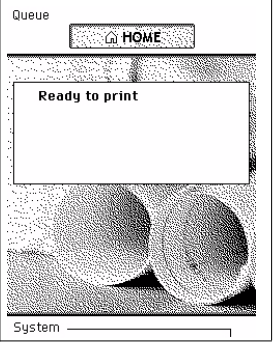
Change the display language of the printer

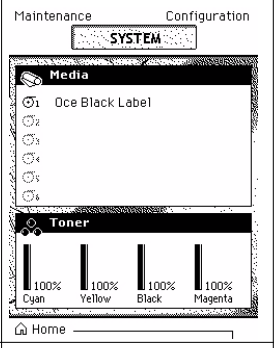
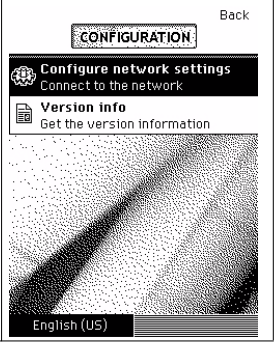
Introduction

The Océ Express WebTools allows you to define the 'First language' (the default display language) and the 'Second language' (the alternative display language) for the printer operator panel.

The 'First language' and the 'Second language' you defined in the Océ Express WebTools are also the display languages that are available on the printer operator panel. You can toggle between these two languages using the operator panel.

How to change the display language of the printer

Step	Action	Illustration
1	From the 'Home' screen use the lower left softkey to select the 'System' tab.	

Step	Action	Illustration
2	Use the upper right softkey to select the 'Configuration' tab.	
3	Press the lower left softkey to toggle between the first language and the second language. **Note:** *Only the first language (default language) and the second language (alternative language) defined in the Océ Express WebTools are available on the Printer operator panel.*	

Configure the network settings on the printer operator panel

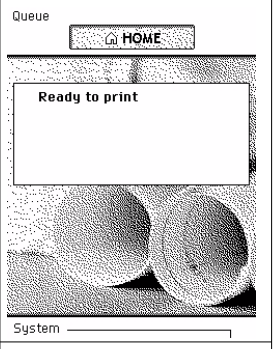
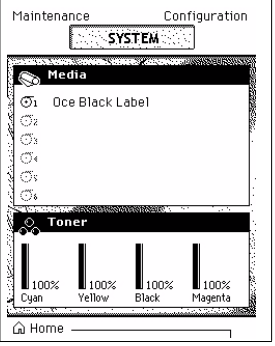
When to do

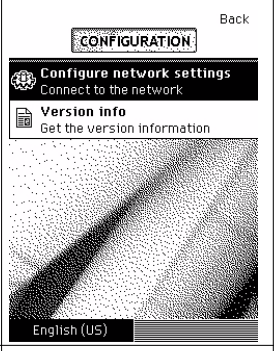
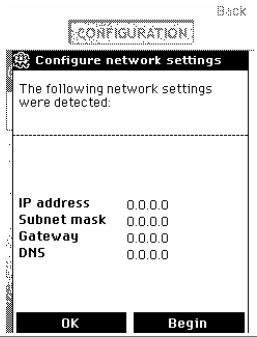
When you have no connection to the Océ ColorWave™ 600 printer you cannot use the Océ Express WebTools to edit the network settings. This situation can occur at first installation or when there is no network connection due to invalid network settings.

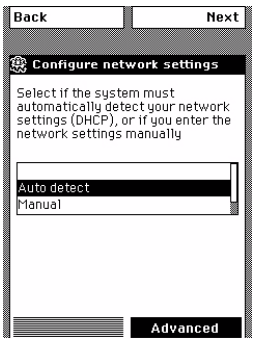
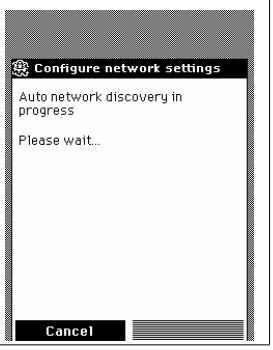
Before you begin

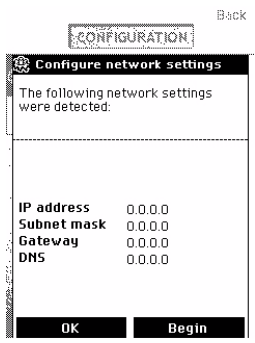
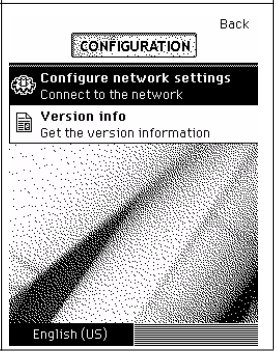
If you integrate the printer according to a network policy, contact your network administrator to get information about the network infrastructure and parameters. As a network administrator, please refer to the **Océ TDS/TCS Connectivity Manual** (available on CD delivered with your system) to get information about the different network infrastructures and configurations.

How to configure the network settings on the printer operator panel

Step	Action	Illustration
1	In the 'Home' screen of the printer operator panel select 'System' with the lower left softkey.	
2	Select 'Configuration' with the upper right softkey.	

Step	Action	Illustration
3	Use the scroll wheel to select 'Configure network settings' and press the confirmation key.	
4	The printer operator panel displays the current network settings. To change these settings press 'begin' - lower right softkey - to start the network connection procedure.	
5	The following message is displayed: 'This wizard assists you to connect the printer to the network'. Use the 'Upper right softkey' to go to the next step.	

Step	Action	Illustration
6	Select one of the following options. ■ 'Auto detect' Use the 'Scroll wheel' to select 'Auto detect' if the system must automatically detect your network settings. Confirm your entry with the 'Confirmation key' above the 'Scroll wheel'. Use the 'Upper right softkey' to go to next step and continue with step 9. ■ 'Manual' Use the 'Scroll wheel' to select 'Manual' if you want to configure the network settings manually. Confirm your entry with the 'Confirmation key' above the 'Scroll wheel'. Use the 'Upper right softkey' to go to the next step. You must now first follow the procedure to enter the network settings manually *Configure the network settings manually* on page *54*	
7	The following message is displayed: 'Auto network discovery in progress'	

Step	Action	Illustration
8	The printer operator panel now displays the network settings. Record the IP address (for example, 134.188.26.173). You need this IP address to access the 'Océ Express WebTools' later in order to complete the printer configuration. Use the 'Upper right softkey' to finish the network installation procedure.	
9	When you are ready and have left the wizard, the system indicates if you have to restart the controller of the Océ ColorWave™ 600 printer to apply the new network settings. This can, for example, be the case when settings are received through DHCP. When no indication appears, you do not need to restart the controller.	

Configure print jobs

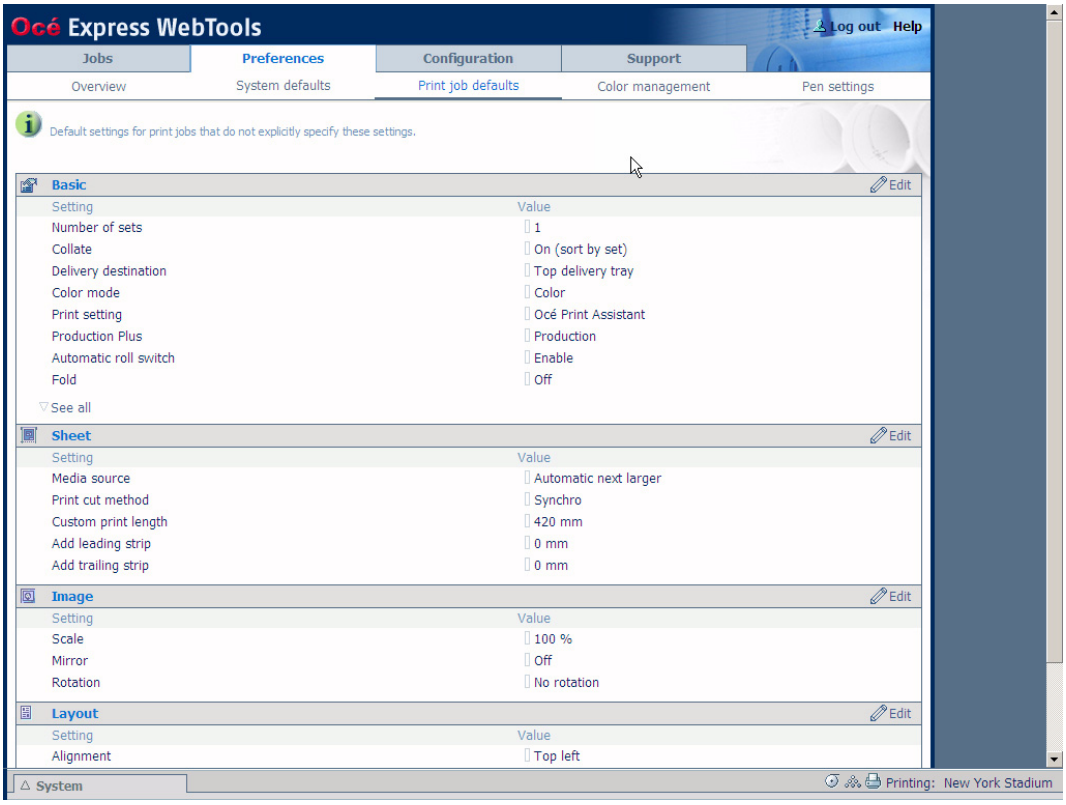
Relevant settings in the Océ Express WebTools

Set the default print job settings

Definition

You can use the Océ Express WebTools to configure the default values for the print job settings. The print job settings are grouped under the 'Preferences' - 'Print job defaults'.
When you define print job settings in the printer drivers or the job submission tools, these values always overrule the default values defined in the Océ Express WebTools.

Illustration



Overview of the default print job settings - basic

Editable for Key operator and Power user.

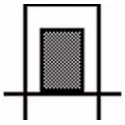
'Preferences' - 'Print job defaults' - 'Basic'

Setting	Description
'Number of sets'	Enter the default value for the number of times you want your jobs to be printed.
'Collate'  [123] 'By set' (left) and 'By page' (example)	■ Select 'On (sort by set)' if your printed output must be sorted by set (123 - 123). ■ Select 'Off (sort by page)' if your printed output must be sorted by page (11 - 22 - 33).
'Delivery destination'	■ Select 'Top delivery tray' if your printed output must default be delivered in the Top delivery tray. ■ Select 'External output (back)' if your printed output must default be delivered at the back of the printer. Select this option if you want to use the optional 'Receiving rack (basket)' or a folder. **Note:** *If you use 2 inch core media, the output is always delivered at the back of the printer.*
'Color mode'	*Set the 'Color mode'* on page *218*.
'Print setting'	*Set the 'Print setting'* on page *219*.
'Océ Print Assistant Behavior'	*Set the 'Océ Print Assistant Behavior'* on page *221*.
'Automatic roll switch'	*Set the 'Automatic roll switch'* on page *223*.
'Spool threshold'	*Set the 'Spool threshold'* on page *224*.

Overview of the default print job settings - sheet

Editable for Key operator and Power user.

'Preferences' - 'Print job defaults' - 'Sheet'

Setting	Description
'Media source'	The 'Media source' setting can be used to select the default output material and format. The 'System' screen of the printer operator panel will show you what rolls are currently loaded. You can select a specific roll number that the Océ ColorWave™ 600 must use by default. If you select 'Automatic next larger' or 'Automatic exact fit' the Océ ColorWave™ 600 will try to use a roll format that matches the required output size of your print file.
'Print cut method' 	■ Select 'Standard' to cut the print to a standard media size (DIN, ANSI, ...) ■ Select 'Synchro' to cut the print at the end of the image. The system cuts at the measured length of the original times the scale factor. ■ Select 'Custom' (numeric) to cut the print on a specified length. The print length is defined by value of the setting 'Custom print length'.
'Custom print length'	Print length if the 'Print cut method' is set to 'Custom'.
'Add leading strip' 	When you enter a value, the Océ ColorWave™ 600 adds a blank strip of the specified length at the beginning of the output.
'Add trailing strip' 	When you enter a value, the Océ ColorWave™ 600 adds a blank strip of the specified length at the bottom of the output.

Overview of the default print job settings - Image

Editable for Key operator and Power user.

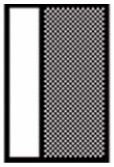
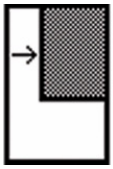
'Preferences' - 'Print job defaults' - 'Image'

Setting	Description
'Scale'	'Scales the image to the defined percentage.' (100% is no scaling)
'Mirror' 	'When 'on', the image is mirrored along the vertical axis (the media transport direction).'
'Rotation'	'Rotates the image.'*Set the 'Rotation' mode* on page *225*.

Overview of the default print job settings - Layout

Editable for Key operator and Power user.

'Preferences' - 'Print job defaults' - 'Layout'

Setting	Description
'Alignment' 	'Aligns the image on the media.' *Set the 'Alignment' mode* on page *226*.....
'Horizontal shift' 	'Shifts the image in the horizontal direction (after alignment to one of the positions given in 'Alignment').'
'Vertical shift'	'Shifts the image in the vertical direction (after alignment to one of positions given in 'Alignment').'
'Print width margin tolerance'	'If the difference between a plot dimension and a standard size dimension is within this tolerance, the standard size will be selected for printing, otherwise a next larger size will be selected.'
'Print length margin tolerance'	'If the difference between a plot dimension and a standard size dimension is within this tolerance, the standard size will be selected for printing, otherwise a next larger size will be selected.'

Set the Color management settings

Introduction

In most cases, you define the color management settings for a print job during the job submission process. You can select the color management settings in your print job submission application (Océ Windows® printer driver, Océ Publisher Pro or Océ Publisher Select) and if the Océ Job Ticket is enabled, these settings will overrule the default settings that you defined in the Océ Express WebTools. If a file is sent to the printer without any color management settings or if the Océ Job Ticket is disabled, the default color management settings in the Océ Express WebTools are used to get a good output result.
The color management settings give information to the printer how the output should be printed.

You can find more detailed information about color management issues in the following modules

- *What is Color Management?* on page *229*
- *What is an input profile / standardization?* on page *230*
- *What is Color feel?* on page *233*
- *Introduction* on page *236*
- *What is an output profile?* on page *241*
- *'Color management' settings in the Océ Express WebTools* on page *242*
- *Color management settings and job submission* on page *243*
- *Priorities in the color management settings* on page *245*
- *Default settings 'For HP-GL, HP-GL/2 and HP-RTL files'* on page *248*
- *Default settings 'For TIFF and JPEG files' (RGB input)* on page *249*
- *Default settings 'For TIFF and JPEG files' (CMYK input)* on page *250*
- *Default settings 'For PostScript and PDF files' (RGB input)* on page *251*
- *Default settings 'For PostScript and PDF files' (CMYK input)* on page *252*

Color management settings

The color management settings in the Océ Express WebTools are predefined settings that give an optimal output result for different file types.

Click 'Preferences' - 'Color management settings' to define the following settings.

Setting group	Setting	Description
'For HP-GL, HP-GL/2 and HP-RTL files'	'Color feel'	Use this setting to define the default 'look and feel' for print files if you use the Océ Windows® printer driver to send your print jobs. If you select 'Océ enhanced colors' you can also define the correct input data and the preferred rendering intent method.
'For TIFF and JPEG files'	'Color feel'	Use this setting to define the default 'look and feel' for print files if you use Océ Publisher Pro or Océ Publisher Select to submit TIFF and JPEG files. If you select 'Océ enhanced colors' you can also define the correct input data and the preferred rendering intent method.
	'Use of the Océ scan tag'	If you use an Océ scanner to create a TIFF file or a JPEG file, the scanned file contains an Océ scan tag. Use this setting to define if the file information in the scan tag must be used to select the correct Color Management settings.
'For PostScript and PDF files'	'Color feel'	Use this setting to define the default 'look and feel' for print files if you use the Océ PostScript® driver to send your print jobs or if you use Océ Publisher Pro or Océ Publisher Select to submit PDF files. If you select 'Océ enhanced colors' you can also define the correct input data and the preferred rendering intent method.

Predefined color management settings per input file type

[42] Color management settings

Input file type	Color feel	'Océ enhanced colors'
'For HP-GL, HP-GL/2 and HP-RTL files'	'Océ CAD colors'	N.A.
'For TIFF and JPEG files'	'Océ enhanced colors': gives access to enhanced color settings.	■ **RGB input data:** 'sRGB' ■ **Rendering intent:** 'Perceptual (photo)'
'For PostScript and PDF files'	'Océ enhanced colors': gives access to enhanced color settings.	■ **RGB input data:** 'sRGB' ■ **CMYK input data:** 'Euroscale coated' ■ **Rendering intent:** 'Perceptual (photo)'

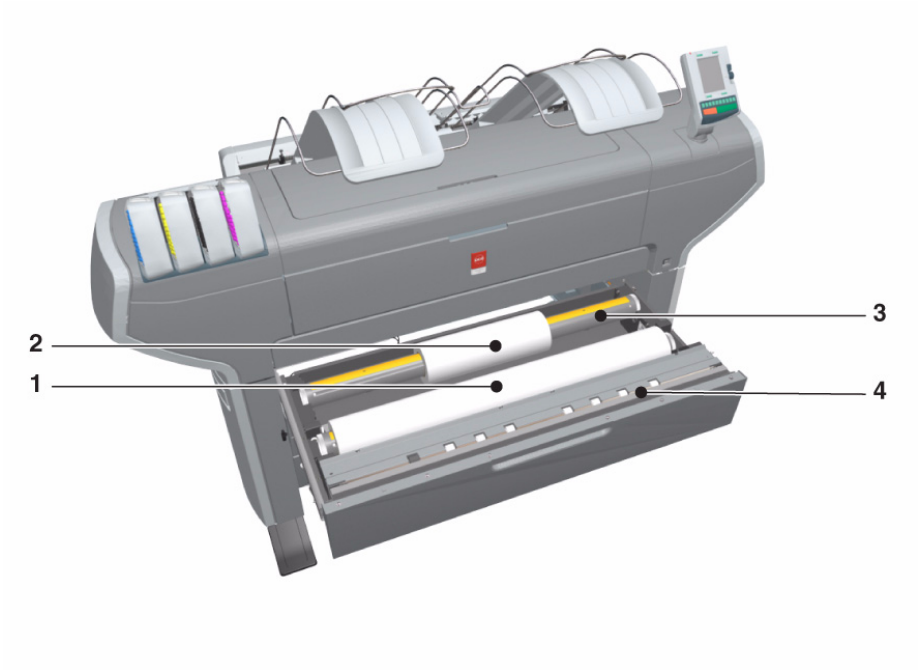
Chapter 5
Use the printing system

Work with the Océ ColorWave™ 600 printer

Set up the printer

The 'Media drawer'

Illustration



Component - function table

Attention: Only use intact media rolls. Dented media rolls can damage the 'Imaging devices'.

Number	Component	Description / Function
1	'Roll' 1	Media roll 3 or 5 in other media drawers
2	'Roll' 2	Media roll 4 or 6 in other media drawers
3	'Roll holder'	Carries the media roll

Number	Component	Description / Function
4	'Roll loading station'	Groove integrated behind the front cover of the media drawer. To load new media on the printer, the operator must proceed as follows ■ place the new media roll temporarily on the roll loading station ■ insert the roll holder into the new media roll ■ place the roll holder with the new media roll in the correct roll position
5	'Roll loader' (optional)	Helps the operator to load a media roll.

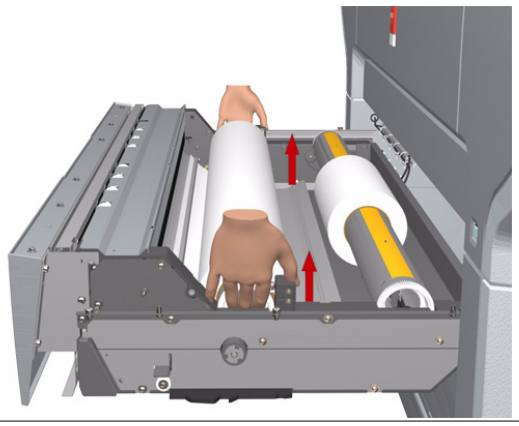
Remove a media roll

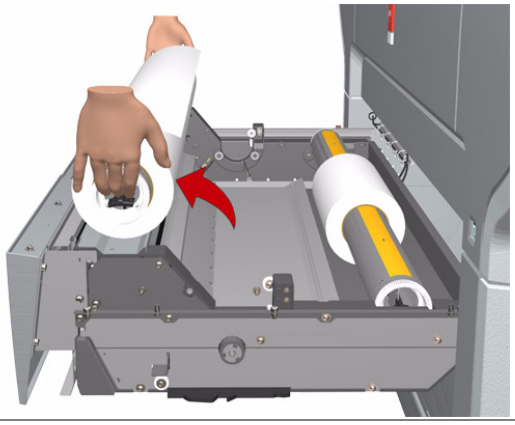
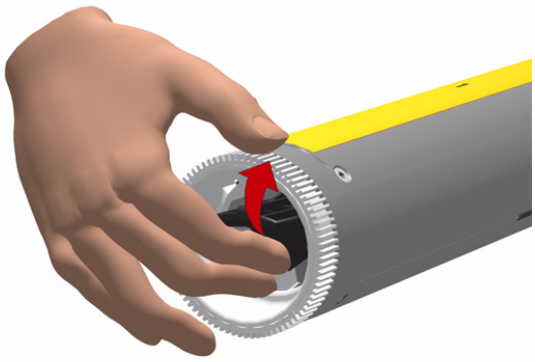
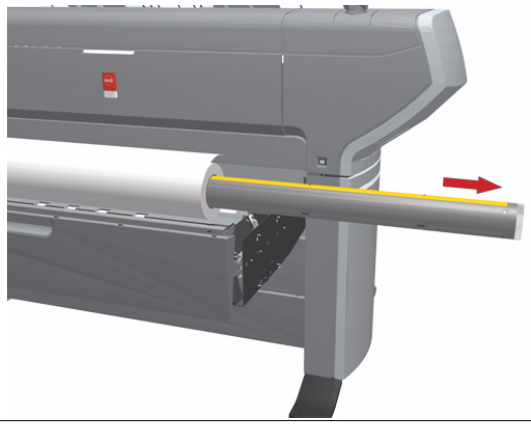
How to remove a media roll

Attention: Do not open the media drawer during the print process.

Attention: Do not open more than one media drawer at the same time to prevent overbalance of the printer.

Caution: Watch your fingers when you handle the media roll.

Step	Description	Illustration
1	Open the media drawer that contains the media roll that you want to remove.	
2	Roll back the media manually to remove the media from the metal paper guide. Then, use both hands (as indicated) to lift the roll holder with the media roll.	

Step	Description	Illustration
3	Put the roll holder with the media roll on the roll loading station.	
4	Pull the handle of the roll holder locking mechanism towards you.	
5	Remove the roll holder from the core of the media roll.	
6	Remove the media roll from the roll loading station.	

Unpack the media roll

How to unpack the media roll



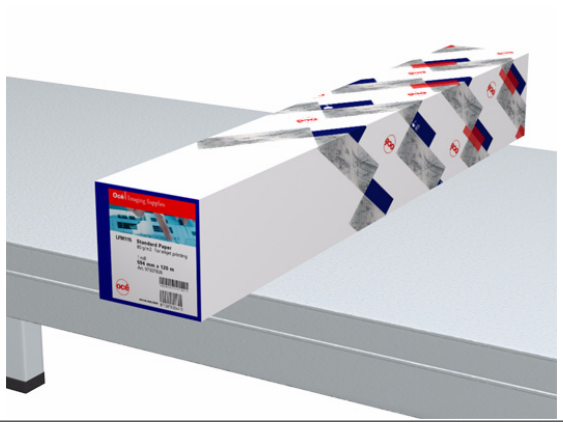
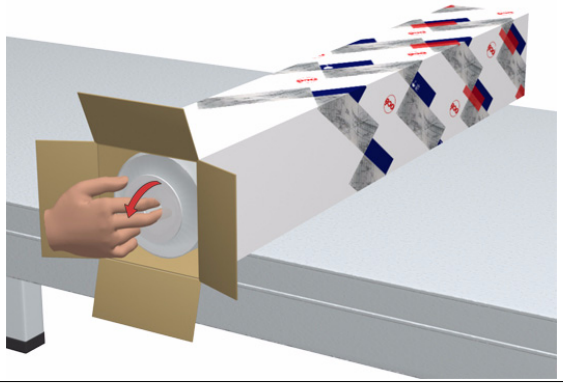
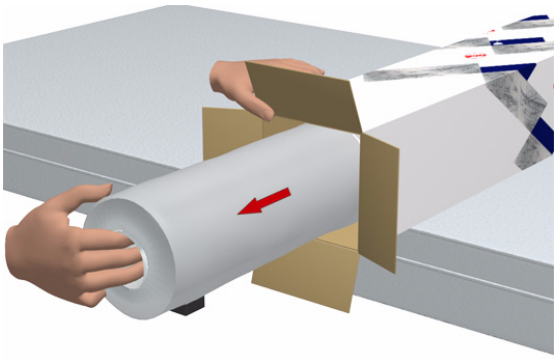
Attention: Handle the media roll with care. A dented media roll can damage the imaging devices.



Attention: Please note down the media code (for example LFM090) indicated on the sticker on the media box. You need this code to select the correct media type on the printer operator panel.



Attention: Always write the correct media name and media code inside the core, after you unpack the media roll. In that case, if you replace a media roll before it is empty and you want to re-use it later, you will have the correct media information available.

Step	Description	Illustration
1	Place the media box on a table and open it.	
2	Remove the plug from the media roll.	
3	Carefully remove the media roll from the box.	
4	Remove the other plug and plastic around the media roll.	

Load a media roll

How to load a media roll

Attention: Do not use dented media rolls to prevent damage to the imaging devices.

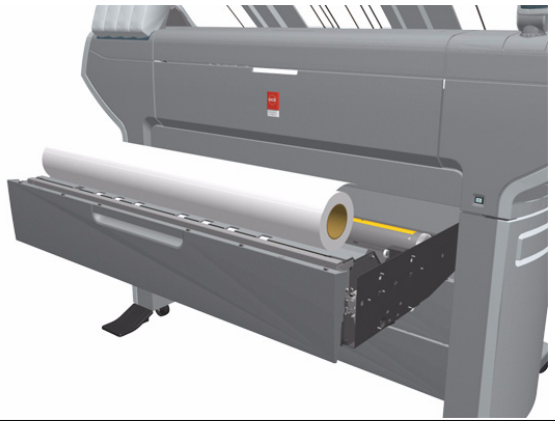
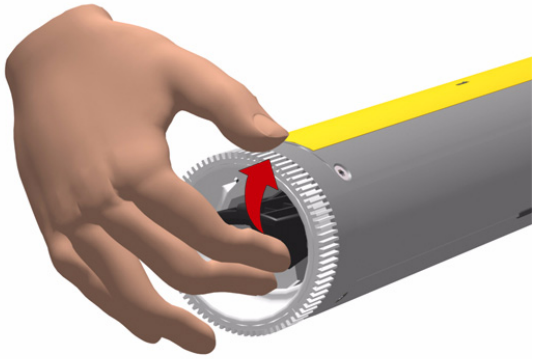
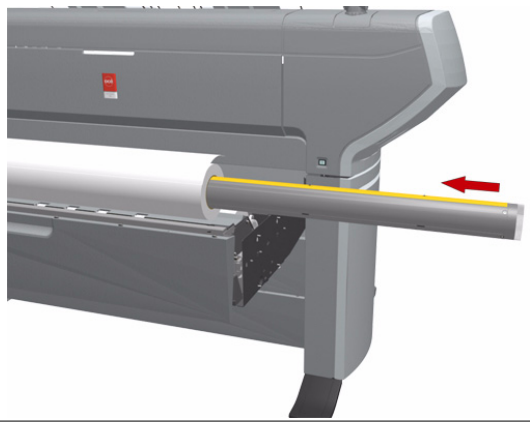
Attention: Do not open the media drawer during the print process.

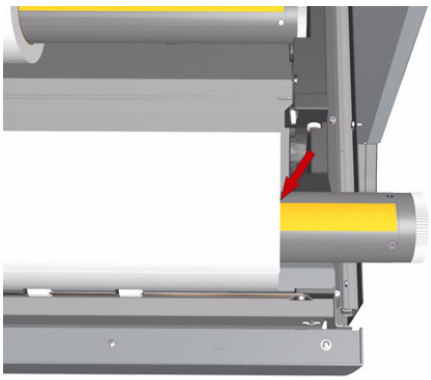
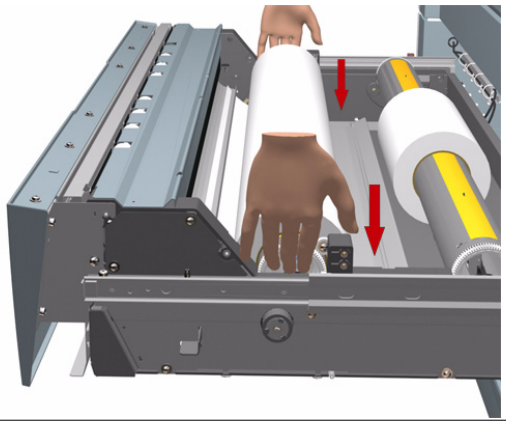
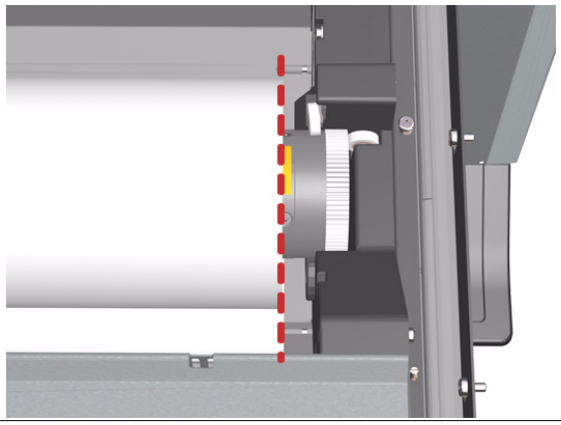
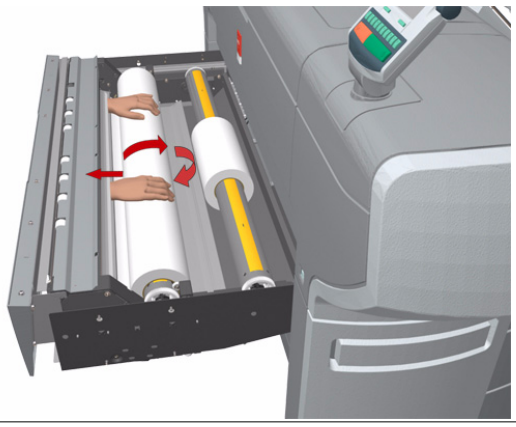
Attention: Do not open more than one media drawer at the same time to prevent overbalance of the printer.

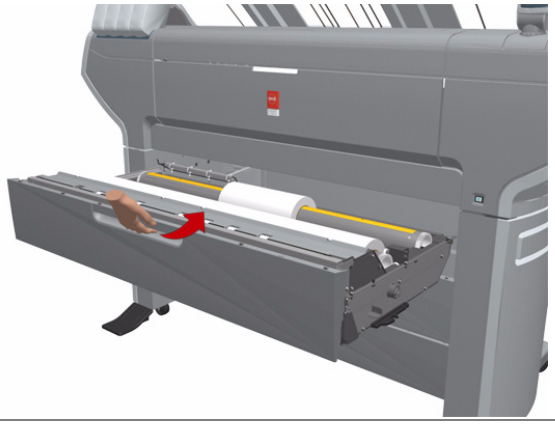
Attention: It is very important to select the media type with the correct media code (for example LFM090). You can find the media code of the new media roll on the sticker on media box. The media code represents a specific media profile that the Océ ColorWave™ 600 uses to optimize the printed output for the corresponding media type. If the correct media code is not available on your printer operator panel, you must first make a new media profile available on the printer operator panel. *Make a new media profile available on the printer operator panel* on page *139*

Attention: When you unpack a media roll, always write the correct media name and media code inside the core. In that case, if you replace a media roll before it is empty and you want to re-use the media roll later, you will have the correct media information available.

Caution: Watch your fingers when you handle the media roll.

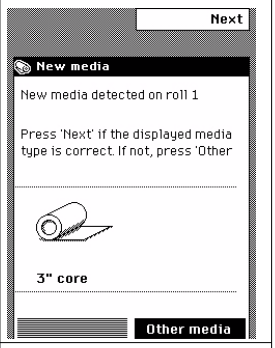
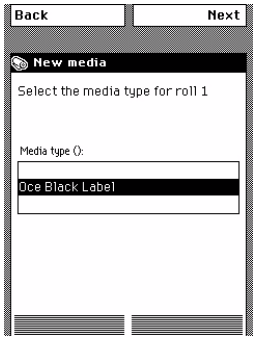
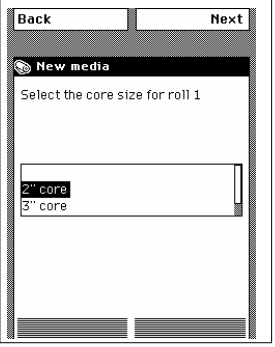
Step	Description	Illustration
1	Open the correct media drawer to load the new media roll.	
2	Place the new media roll on the roll loading station.	
3	Pull the handle of the roll holder locking mechanism towards you.	
4	Slide the roll holder in the core of the new media roll.	

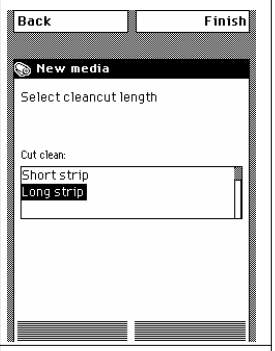
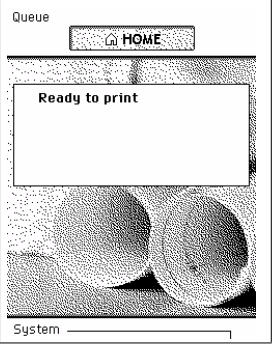
Step	Description	Illustration
5	Align the roll with the correct size indicator on the roll holder (At the left and right hand side). Release the handle of the locking mechanism.	
6	Remove the two tapes from the new media roll. Use both hands (as indicated) to place the media roll in the media drawer.	
7	Keep the media tight on the roll and in-line with the side edge.	
8	Remove the tapes from the new media roll. Use both hands to slide the media under the metal paper guide. A "beep" confirms correct paper transport.	

Step	Description	Illustration
9	Close the media drawer. **Note:** *Do not open the 'Media drawer' during loading.*	
10	The next screen appears on the printer operator panel.	

Define the media type and the core size

How to define the media type and the core size

Step	Screen	Screen dump
1	If the displayed media type and core size is correct you can press 'Next ' and go to step 4. Otherwise, press 'Other media' and continue with step 2.	
2	Use the 'Scroll wheel' to select the correct media type from the list and confirm your entry with the 'Confirmation key'. **Note:** *If the correct media type is not available on your printer operator panel, you must first make a new media profile available on the printer operator panel. Make a new media profile available on the printer operator panel*	
3	Use the 'Scroll wheel' to select the correct core size for your new media roll and confirm your entry with the 'Confirmation key'. **Note:** *The standard roll core size for the 'Océ ColorWave™ 600 Printer' is 3".*	

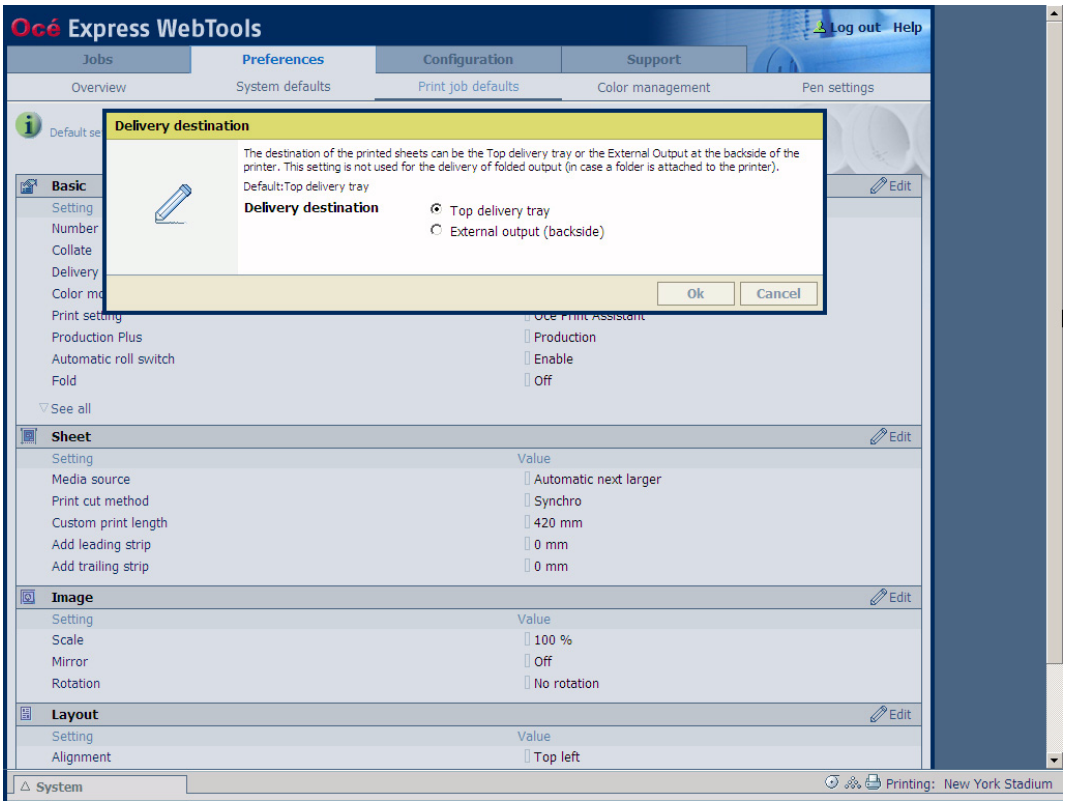
Step	Screen	Screen dump
4	Use the 'Scroll wheel' to select the clean-cut length for your new media roll and confirm your entry with the 'Confirmation key' **Note:** *Select 'Long strip' for new media.*	
5	Press 'Finish' and return to the 'Home' screen. **Note:** *When the strip is cut the new media is ready for use.*	

The output delivery

Introduction

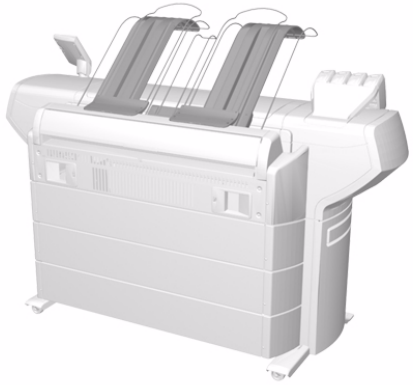
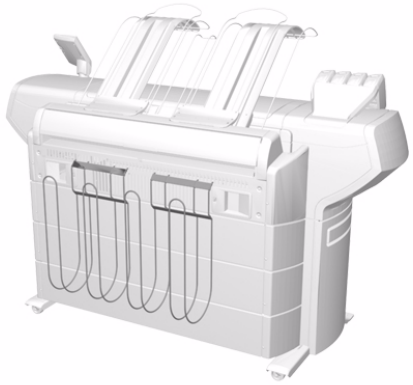
There are three factors that can influence the delivery destination of the printed output.

1. The media profile of the media you use.
   Some media profiles require a specific output delivery. If the correct media profile is available on your printer operator panel, the Océ ColorWave™ 600 automatically selects the correct output delivery.
   If the correct media is not available on your printer operator panel, you can download the media profile from the Océ website (*Download a media profile from the Océ web site* on page *192*) and upload the media profile to the 'Océ PowerM controller' / 'Océ PowerM Plus controller ' (*Upload a media profile* on page *194*).
2. The media roll core size of the media you use.
3. The 'Delivery destination' setting that you defined in the Océ Express WebTools. To set the default 'Delivery destination' select the 'Preferences' - 'Print job defaults' tab.



The output delivery

Attention: The table below gives an overview of the common output delivery destination. If the media profile of the media you use requires a specific output delivery, the common delivery destination will be overruled.

When the media roll you use has a	and the default 'Delivery destination' is	Then the printed output
3" roll core	'Top delivery tray'	is delivered at the 'Top delivery tray' 
3" roll core	'External output (back)'	is lead through the slot below the 'Top back cover' at the back of the printer. 
2" roll core	Not applicable	

Make a new media profile available on the printer operator panel

How to make a new media profile available on the printer operator panel

1. download the correct media profile from the Océ website (*Download a media profile from the Océ web site* on page *192*)
2. upload the correct media profile to the Océ ColorWave™ 600 embedded controller (*Upload a media profile* on page *194*)
3. click the check box of a media profile and click the 'Enable' button in the toolbar above the media profiles list to make the media profile available on the printer operator panel.



Note: *You cannot restart the Océ ColorWave™ 600 controller. You can only switch off and on the Océ ColorWave™ 600 printer. The media list on the printer operator panel will be updated automatically.*

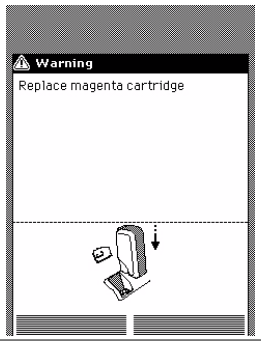
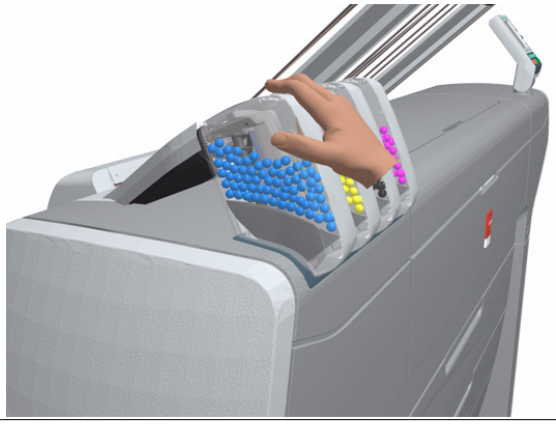
Load or replace a toner cartridge

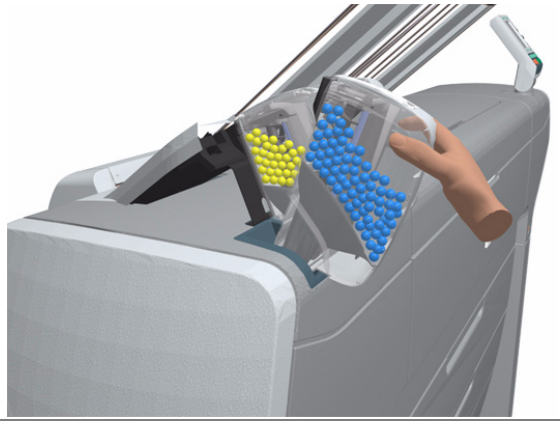
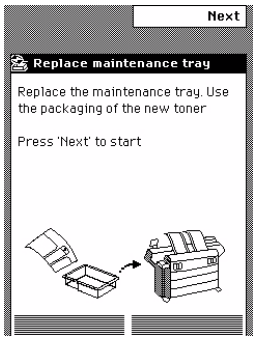
Illustration



Number	Component	Description / Function
9	'Toner cartridge' (cyan)	Toner cassette for cyan 'Océ TonerPearls™'
10	'Toner cartridge' (yellow)	Toner cassette for yellow 'Océ TonerPearls™'
11	'Toner cartridge' (black)	Toner cassette for black 'Océ TonerPearls™'
12	'Toner cartridge' (magenta)	Toner cassette for magenta 'Océ TonerPearls™'

How to load or replace a toner cartridge

Step	Action	Remarks
1	The printer operator panel displays a request when you must load or replace a toner cartridge.	
2	Unpack the toner cartridge. **Note:** *Please do not throw away the empty packaging of the new toner cartridge. This packaging is used as maintenance tray.*	
3	Remove the empty toner cartridge.	

Step	Action	Remarks
4	Place the new toner cartridge. **Note:** *You must place the toner cartridge in the correct color position. The toner cartridges have fixed positions.*	
5	When the new toner cartridge is placed correctly, the following message is displayed on the printer operator panel. 'Replace the maintenance tray. Use the packaging of the new toner cartridge.' Follow the instructions in the wizard. **Note:** *When you placed a new toner cartridge you must also replace the maintenance tray.* *Replace the maintenance tray on page 60.*	

Replace the maintenance tray

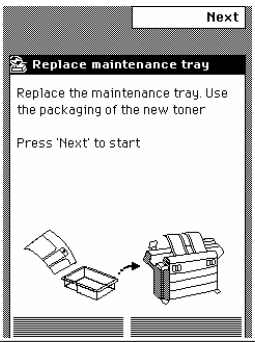
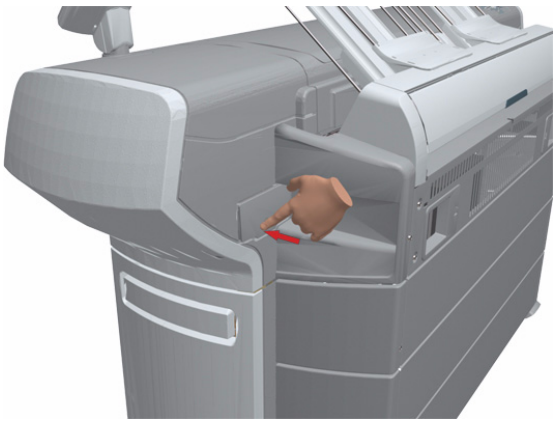
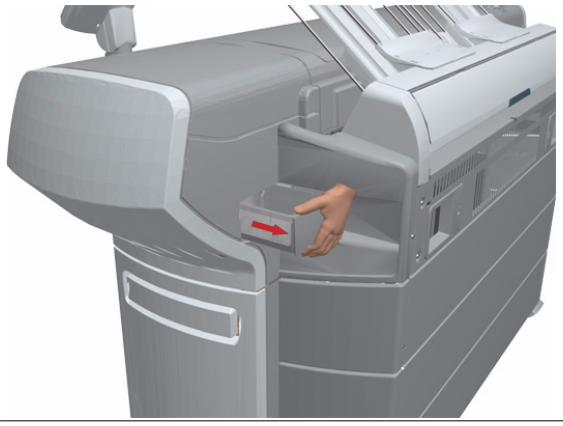
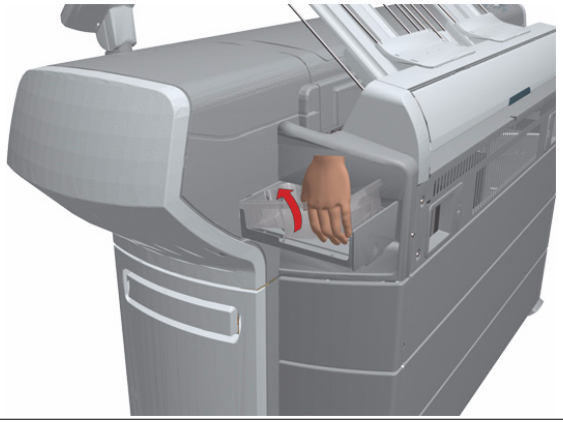
Illustration

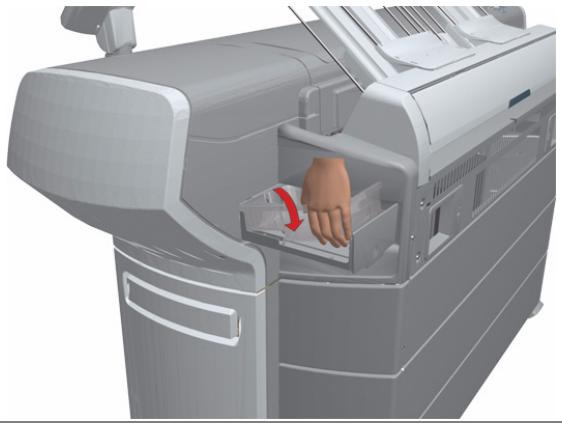
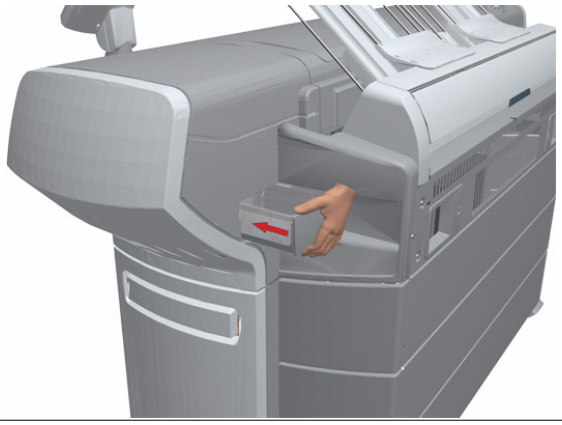
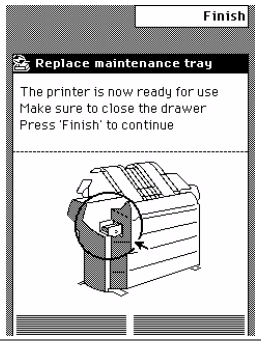


Number	Component	Description / Function
7	'Maintenance tray drawer'	

How to replace the maintenance tray

Attention: Always replace the maintenance tray when the 'Toner cartridge' is replaced.

Step	Action	Remarks
1	The printer operator panel displays a request when you must replace the maintenance tray.	
2	Follow the instructions in the wizard. **Note:** *Please note that the 'Maintenance tray drawer' is located at the rear side of the Océ ColorWave™ 600 printer.* *Push the 'Maintenance tray drawer' to open it.*	
3	Pull the 'Maintenance tray drawer' open.	
4	Lift the old maintenance tray out.	

Step	Action	Remarks
5	Place the empty maintenance tray.	
6	Push the 'Maintenance tray drawer' shut.	
7	When the new maintenance tray is placed correctly, press 'Finish' on the 'Printer operator panel' to continue.	

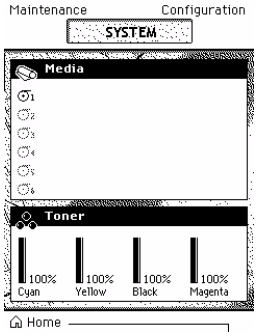
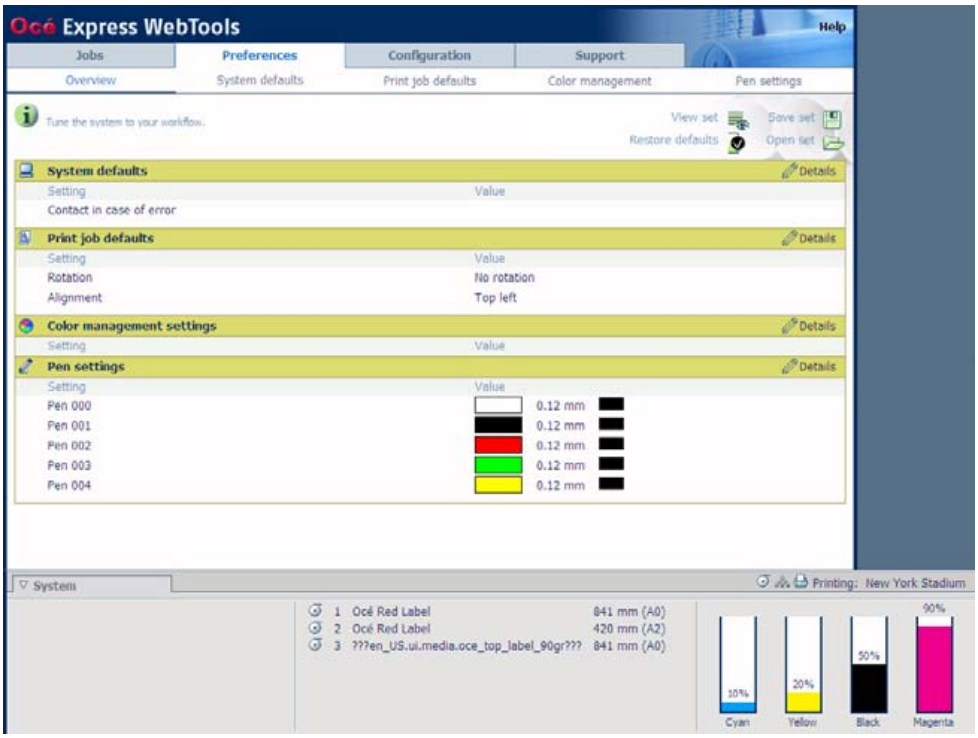
Monitor the printer

The system monitor and the system states

Introduction

You can activate the system monitor to get an overview of the current status of the printing system.

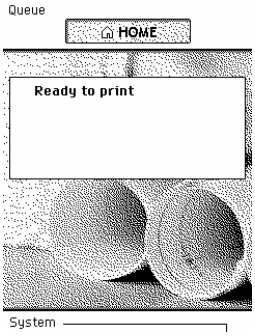
How to activate the system monitor

If you use the	Then
Printer operator panel	From the 'Home' screen select 'System' with the 'Lower left softkey'. 
Océ Express WebTools	Click on the 'System' tab in the lower left corner of the screen. The system monitor pops-up. 

How to view the system states

The system states provide you with additional information about the printer. The system state messages are displayed on the printer operator panel and in the Océ Express WebTools.

1. On the printer operator panel.
   The system state (for example: 'Ready to print') is displayed on the 'Home' screen of the printer operator panel.



2. In the Océ Express WebTools.
   The system state (for example: 'Printing:') is displayed in the upper right corner of the system monitor section of the Océ Express WebTools.

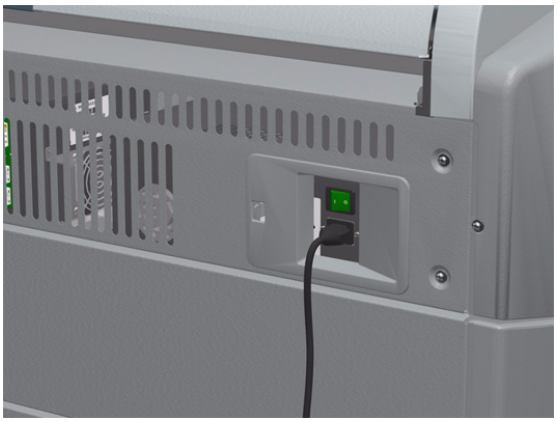
Overview of the system states

State	Description
'Printer start-up...'	State when the system software is initialising.
'Warming up...'	State when not all functionality is available due to printer warming up.
'Ready to print'	State when there is no active job and no waiting job. When a job arrives, no user intervention is needed to start printing.
'Printing: <active job name>'	State when a print job is active.
'Processing: <first waiting job name>'	The system is receiving or processing the job data.
'Printer paused'	The system pauses the print queue but keeps access to all other functionality.
'Sleeping...'	Energy saving state: State when not all functionality is available due to printer sleeping.
'Reconditioning...'	State when the system is cleaning the imaging devices.

Control the printer

Switch on or switch off the printer

How to switch on or switch off the printer

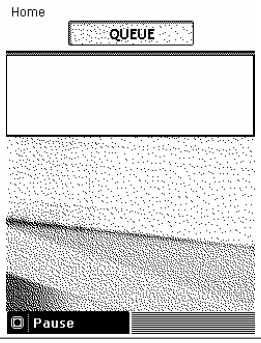
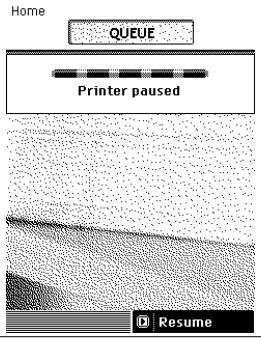
On / off switch.	Illustration
The 'On / Off switch' at the front side of the printer. Use this switch in your daily work to switch on and switch off the printer.	'On / Off switch' [19] 
The green main power switch at the rear side of the printer. Use this switch only if you must connect or disconnect the mains supply of the printer. To disconnect the mains supply: ■ Use the green main power switch to switch off the printer. ■ Disconnect the mains supply cable. To connect the mains supply: ■ Connect the mains supply cable. ■ Use the green main power switch to switch on the printer.	

Pause or resume the printer

Introduction

If you do not want the printer to start printing you can pause the printer. If the printer can start printing again you can resume the printer.

How to 'Pause' or 'Resume' the printer

Action	Remarks
To pause the printer: In the 'Queue' screen use the 'Lower left softkey' key on the printer operator panel to pause the printer. The following message is displayed. ■ 'Printer pause requested' ■ 'The printer stops after this page', if the printer was busy printing.	
In the 'Queue' screen use the 'Lower right softkey' to 'Resume' the printer.	

Solve problems with the printer

Introduction

Introduction

If there is a problem with the printer that the operator can solve, the printer operator panel displays the following message.



Please follow the instructions on the printer operator panel step by step. For additional information about some instructions or the location of specific covers or doors, please refer to the following modules:

- *Cover or drawer opened* on page *152*.
- *Remove the 'Top delivery tray' and open the 'Top cover'* on page *155*.
- *Close the 'Top cover' and replace the 'Top delivery tray'* on page *157*.
- *Handle a media jam* on page *167*

Cover or drawer opened

Introduction

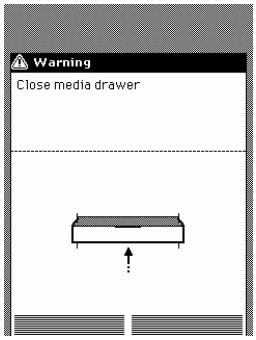
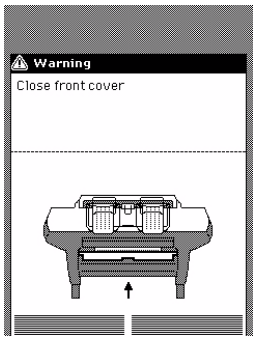
The media drawers and certain covers must only be opened if you are asked to do so in a wizard on the printer operator panel.

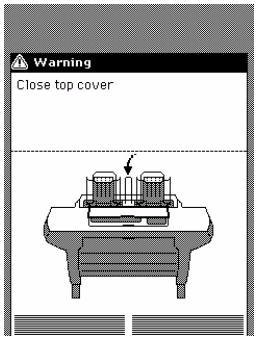
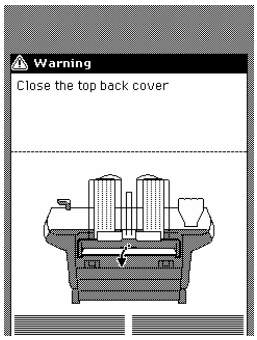


Attention: When you open one of the indicated covers or drawers while you are not in a wizard, the system produces a warning signal. The red LED on the printer operator panel illuminates.



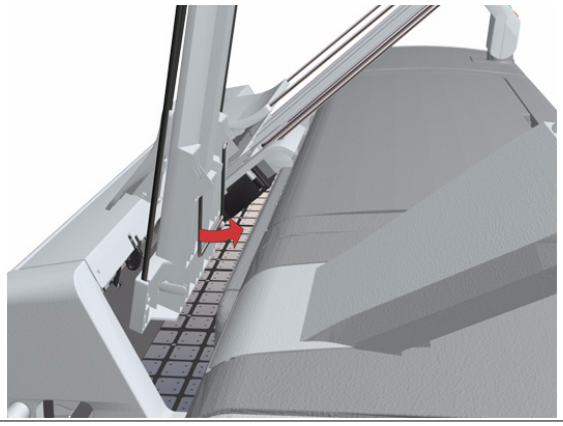
Attention: When you open one of these covers or drawers during printing, the printer stops and the printer operator panel shows one of the warnings that are listed in the table below. When you closed the indicated cover or drawer, the print is cut and the print job is sent to printer again.

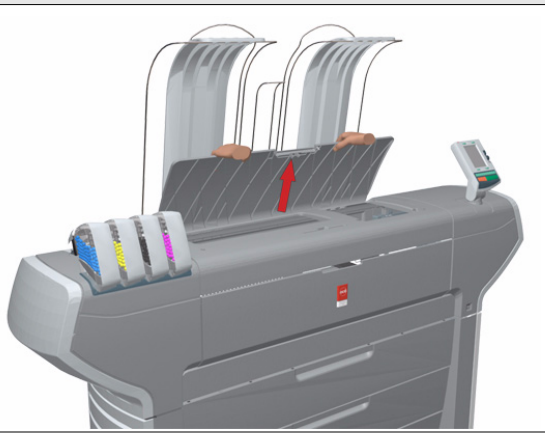
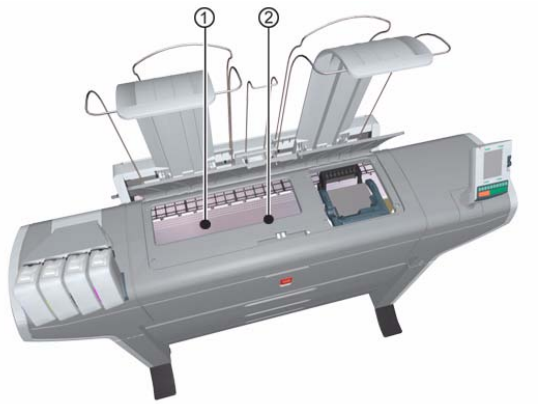
Displayed warning	Position of the component
	'Media drawer' [2, 3, 4]  **Note:** *Normally you open a media drawer to load or replace a media roll or in case of a media jam.*
	'Front cover' [6]  **Note:** *Normally you open the front cover in case of a media jam.*

Displayed warning	Position of the component
	'Top cover' [14]  **Note:** *Normally you open the top cover in case of a media jam, to check the guide flap* *Check and clean the guide flap on page 161* *or to check the print surface* *Check and clean the print surface on page 158**.*
	'Top back cover' [9]  **Note:** *Normally you open the top back cover in case of a media jam.*

Remove the 'Top delivery tray' and open the 'Top cover'

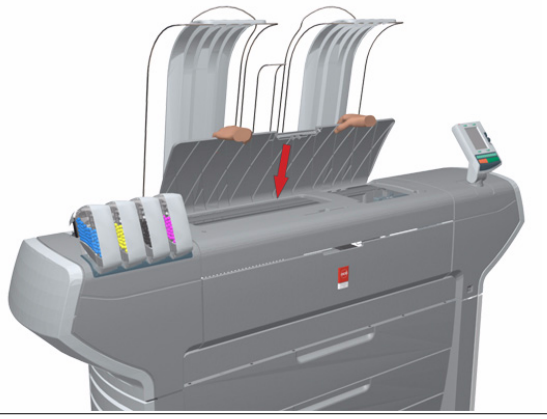
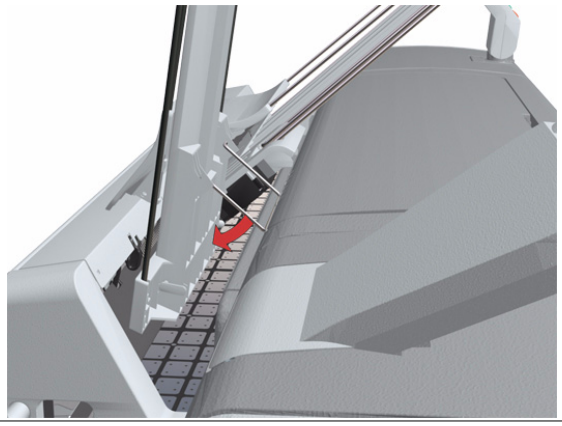
How to remove the 'Top delivery tray' and open the 'Top cover'

Step	Action	Remarks
1	Pull up the left part of the top delivery tray.	
2	Lock the left part of the top delivery tray with the metal locking mechanism. Repeat step 1 and 2 for the right part of the top delivery tray.	

Step	Action	Remarks
3	Open the 'Top cover'.	
4	*Check and clean the print surface* on page *158* [1] or *Check and clean the guide flap* on page *161* [2].	

Close the 'Top cover' and replace the 'Top delivery tray'

If you are ready

Step	Action	Remarks
1	Close the 'Top cover'.	
2	Unlock the metal locking mechanisms of the left and the right part of the top delivery tray.	
3	Flap back the left part and the right part of the top delivery. **Note:** *If the left part and the right part of the top delivery tray are not in the same position, you can adjust the top delivery tray.* *Adjust the 'Top delivery tray' on page 164*	

Check and clean the print surface

Introduction

This document describes how to check and clean the print surface.

When to do

When a media jam occurs or when there is pollution on your printed output, one of the steps to solve the problem is to clean the print surface.

Required tool

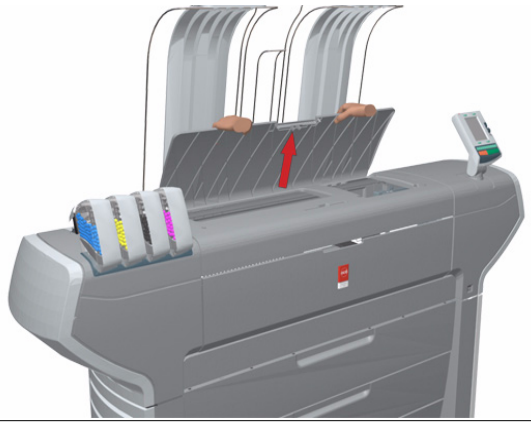
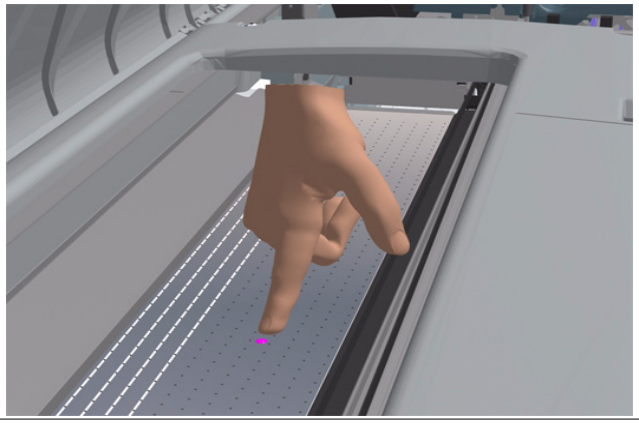
Clean card

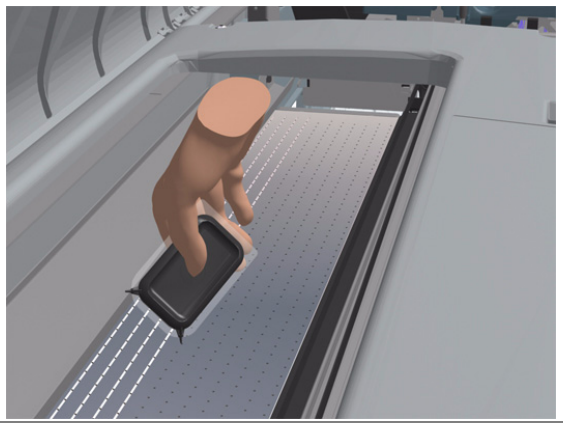
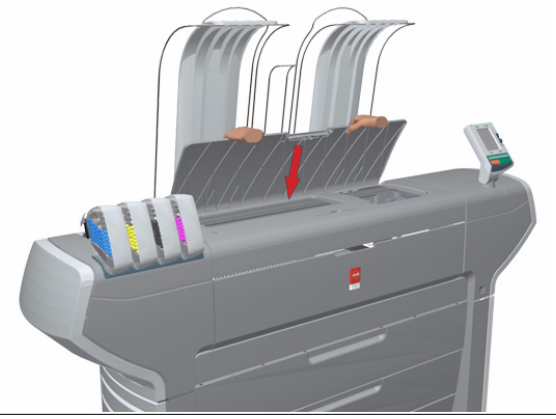
Illustration



[194] clean card

How to check and clean the print surface

Step	Action	Remarks
1	Remove the top delivery tray and open the 'Top cover'. *Remove the 'Top delivery tray' and open the 'Top cover'* on page *155*	
2	Check if toner drops are on the print surface.	
3	Remove the toner, with the clean card, into the direction of the 'Top left cover'. You can find the clean card in the clean card holder at the underside of the 'Top cover' (left hand side).	

Step	Action	Remarks
4	Check if the holes in the print surface are open. If not: Use the edge of the clean card to open the holes.	
5	Place back the clean card in the clean card holder.	
6	Close the top cover and replace the top delivery tray. *Close the 'Top cover' and replace the 'Top delivery tray'* on page *157*	

Check and clean the guide flap

Introduction

This document describes how the check and clean the guide flap.

When to do

When a media jam occurs or when there is pollution on your printed output, one of the steps to solve the problem is to clean the guide flap.

Required tool

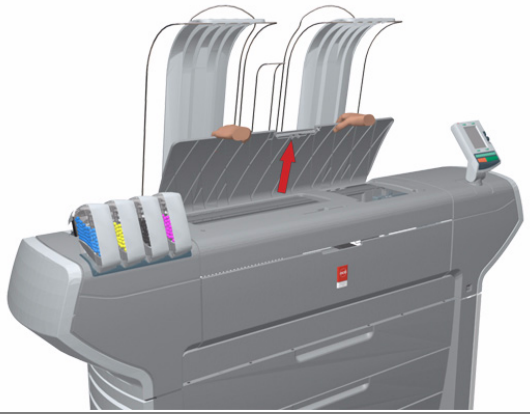
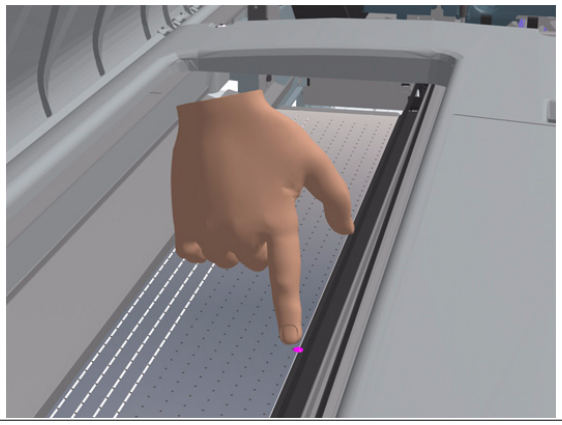
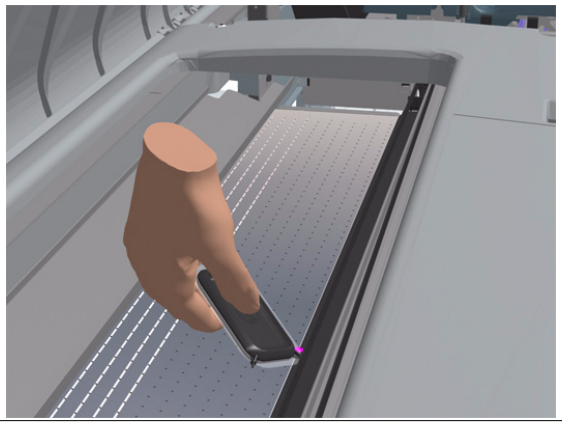
Clean card

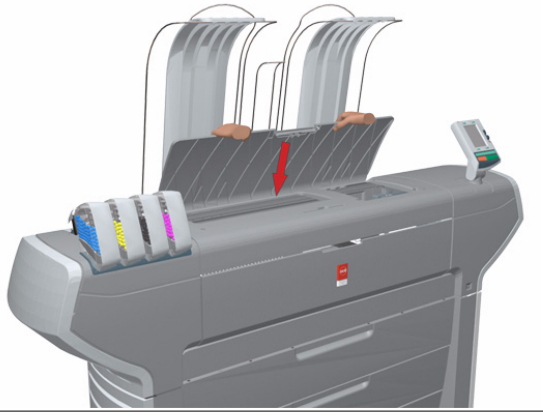
Illustration



[200] Clean Card

How to check and clean the guide flap

Step	Action	Remarks
1	Remove the top delivery tray and open the 'Top cover'. *Remove the 'Top delivery tray' and open the 'Top cover'* on page *155*	
2	Check if the guide flap is polluted with toner.	
3	Remove the toner pollution with the clean card. You can find the clean card in the clean card holder at the underside of the 'Top cover' (left hand side).	

Step	Action	Remarks
4	Place back the clean card in the clean card holder.	
5	Close the top cover and replace the top delivery tray. *Close the 'Top cover' and replace the 'Top delivery tray'* on page *157*	

Adjust the 'Top delivery tray'

Introduction

This document describes how to adjust the 'Top delivery tray'.

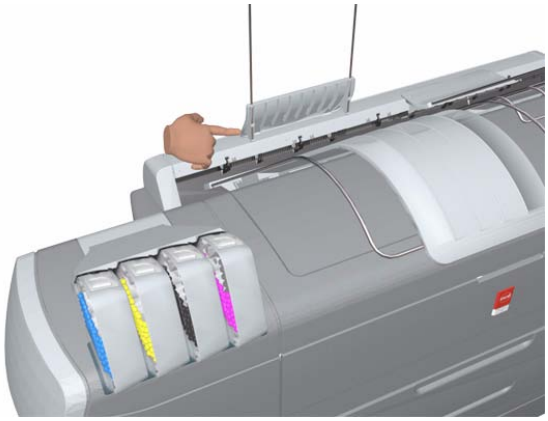
When to do

When you want to increase the distance between the guides of the Top delivery tray in order to collect more printed output.

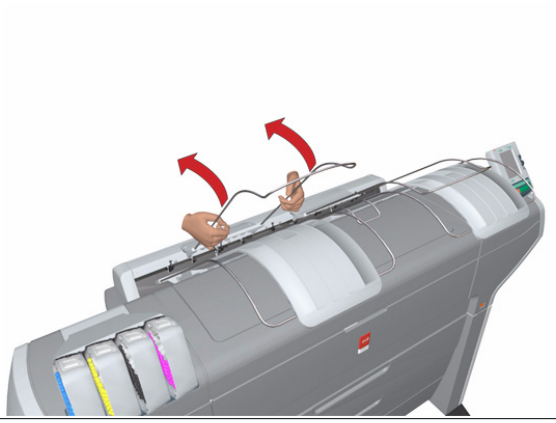
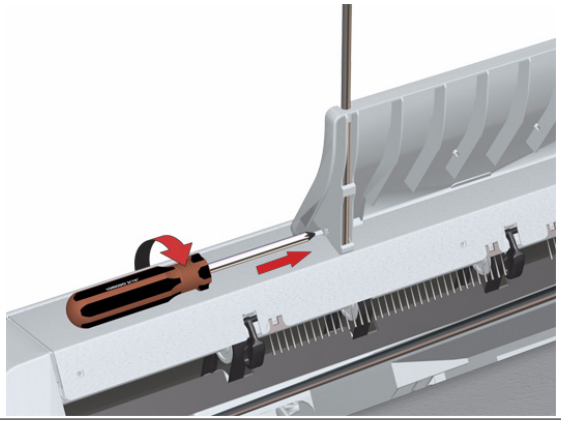
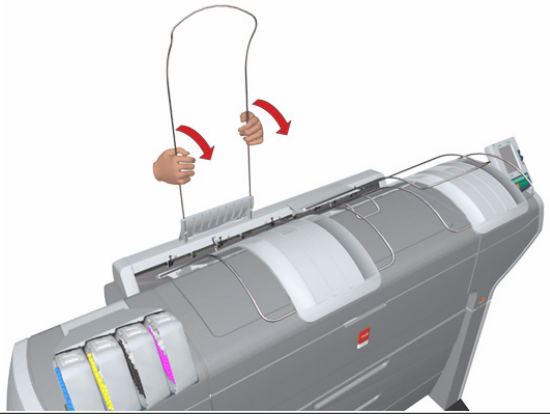
Required tool

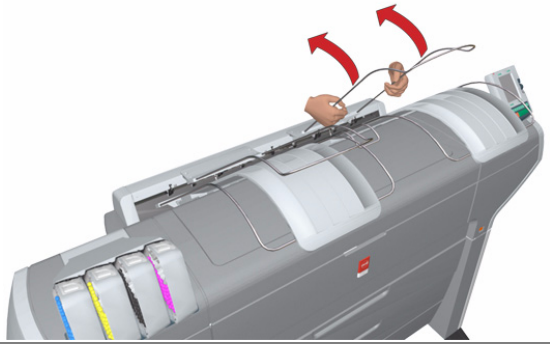
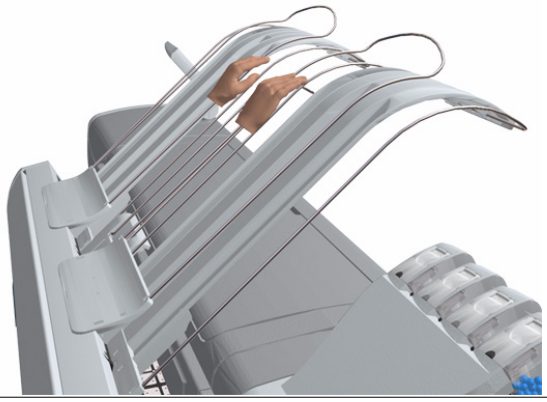
Cross screwdriver

Illustration



How to adjust the Top delivery tray

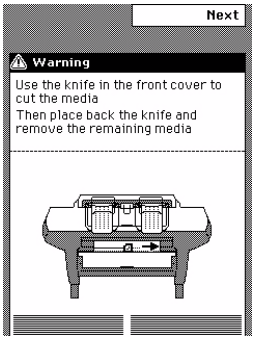
Step	Action	Remarks
1	Pull up the metal guide of the 'Top delivery tray'.	
2	Use your finger or the cross screwdriver to adjust the position of the metal guide (both sides).	
3	Flap back the metal guide to check if the adjustment is correct.	

Step	Action	Remarks
4	Repeat step 1 to 3 for the second metal guide.	
5	Check if both metal guides are in the same position. Correct the position if necessary.	

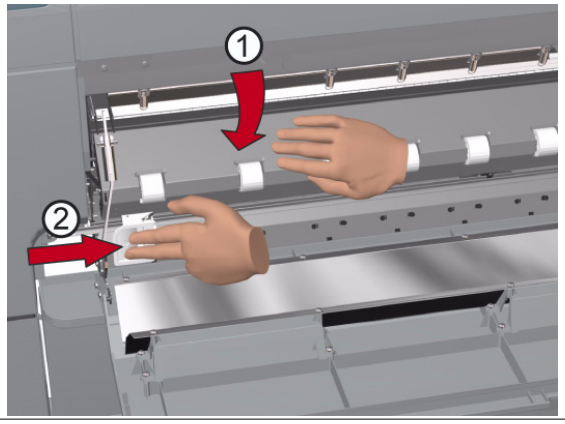
Handle a media jam

Introduction

When a media jam occurs, one of the steps to solve the problem is to cut the jammed media. The printer operator panel displays the following message.



How to cut the media

Step	Action	Remarks
1	Use your right hand to push down the metal plate that guides the media. Use your left hand to cut the media from left to right with the knife behind the front cover.	
2	Place the knife back into the original position. Again, push down the metal plate that guides the media.	

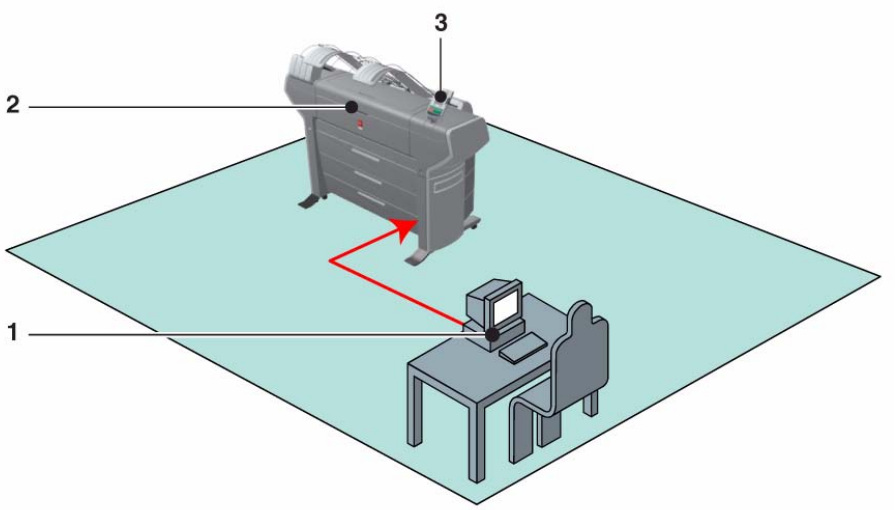
Create print jobs

Create, manage and print jobs

Introduction

In a normal workflow environment you can identify several components that enable you to create, manage and print jobs.

Illustration



Number	Function	Component	Application
1	Create jobs Manage jobs	Océ Express WebTools	■ 'Océ Publisher Express' ■ Access to 'Queue' and 'Mailbox'
		Workstation / server	■ 'Océ Publisher Select' ■ Océ Windows® Printer Driver ■ Océ PostScript® 3 Driver
2	Print jobs	Océ ColorWave™ 600	
3	Manage jobs	'Printer operator panel'	■ Access to 'Queue' and 'Mailbox'

Note: *You can find detailed information about Océ job submission applications and Océ printer drivers in*

- *the Océ Windows® Printer Driver Online Help*
- *the Océ Windows® Printer Driver User manual*
- *the Océ PostScript® 3 Driver Online Help*

- *the 'Océ Publisher Select' Online Help*
- *the 'Océ Publisher Select' User manual*

Set up print jobs

What you need to know before you send your print jobs

Definition

Before you send print jobs to the Océ ColorWave™ 600, remember the following.

- The values defined in the Océ Express WebTools are default values for the general system behavior. You can define a number of job settings in the Océ printer drivers or the Océ job submission tools. The settings defined in the printer drivers or the job submission tools always overrule the settings defined in the Océ Express WebTools.
- Make sure that you define the correct print setting mode for your job *Set the 'Print setting'* on page *219*.
- Make sure that you define and load the correct media for your job. *Overview of the media related settings* on page *186*
- Make sure that you define the correct job settings. For example, orientation, rotation, and media type.

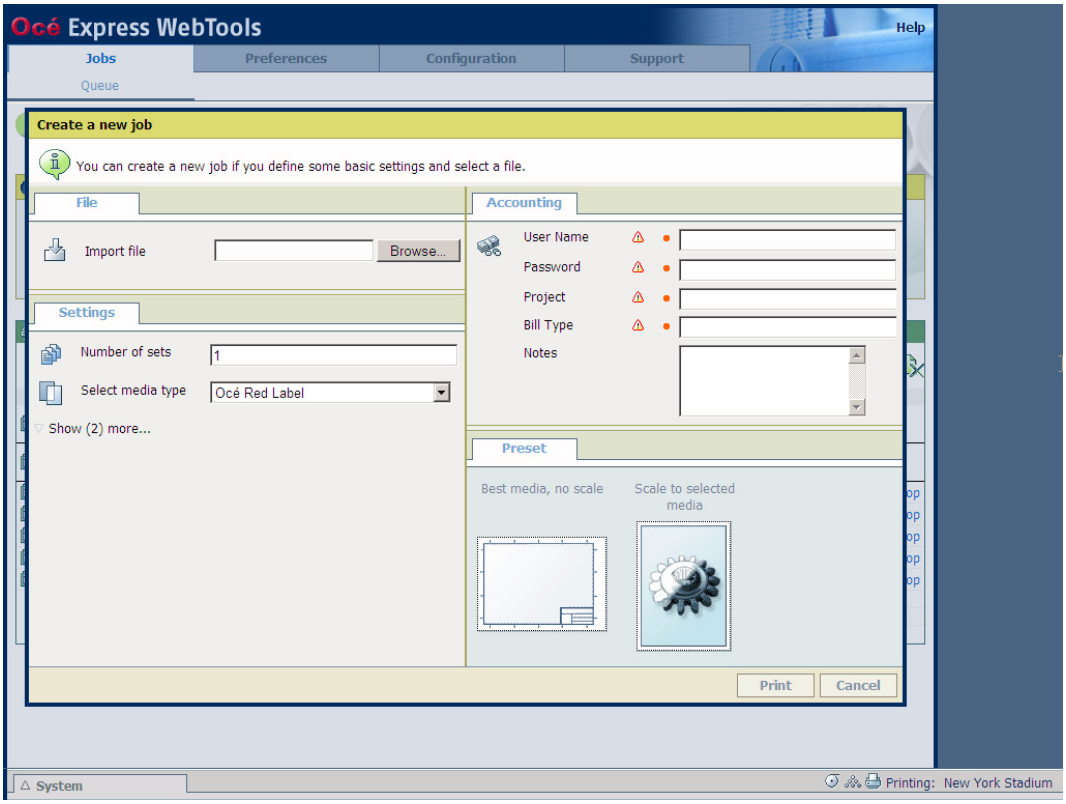
Note: *When the requested media type is not available on the printer, the printer will give a media request. Depending on the 'Media request time-out' settings in the Océ Express WebTools (Configure the 'Media request time-out' on page 104), the printer waits until the media is loaded or the print job will be send to the queue (hold to) after the time-out has expired.*

Use 'Océ Publisher Express' to send a print job

Introduction

'Océ Publisher Express' is a job submitter that is integrated in the 'Océ Express WebTools'.

Illustration



How to use 'Océ Publisher Express' to send a print job

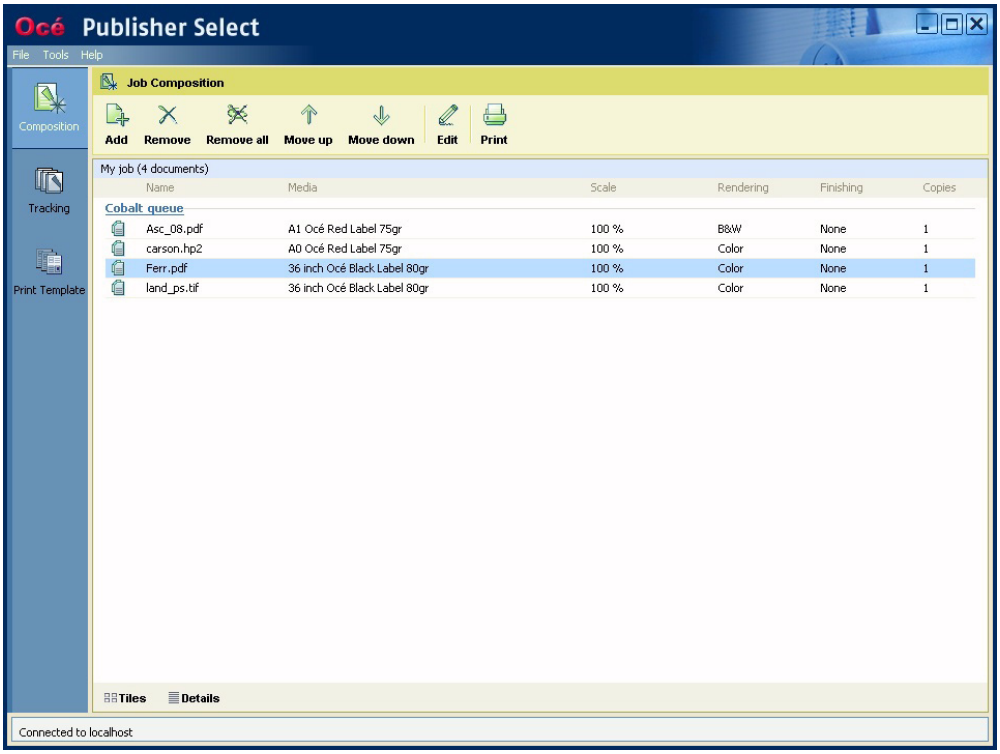
Step	Action	Remarks
1	Open your web browser.	Use one of the following web browsers ■ Microsoft® Internet Explorer 6.0 (or higher) ■ Mozilla Firefox™ 1.5 (or higher)
2	Enter the URL **http://'printer name'** in your workstation browser to connect to the Océ Express WebTools.	'Printer name' is the name of your Océ ColorWave™ 600 printer.
3	Open the 'Jobs' - 'Queue' tab.	This tab gives an overview of the jobs that are currently available in the queue. You can 'Delete' jobs or move jobs to the 'Top' of the queue.
4	Click on 'New job'. A separate window opens, where you can select some basic job settings.	Job settings that you change in 'Océ Publisher Express' always overrule the default settings defined in the Océ Express WebTools.
5	Use the 'BROWSE' button to select the file you want to print.	You can print documents with the following data formats ■ - HP-GL - .hp, .hpg, .hpgl ■ - HP-GL/2 - .hp2 ■ - RTL - .rtl ■ - CALS - .cls, .cal ■ - NIRS - .nir, .nif ■ - CalComp - .cc, .906, .907, .951, .crf, .pci ■ - Edmics (C4) - .c4 ■ - PostScript - .ps ■ - TIFF - .tif (Optional) ■ - PDF - .pdf (Optional) ■ - JPG - .jpg, .jpeg
6	Click 'Ok' to send the print job to the print queue.	

Use Océ Publisher Select to send a print job

Introduction

Océ provides Océ Publisher Select as a Job Submission software application that allows you to send print jobs to your Océ ColorWave™ 600.

Illustration



How to use Océ Publisher Select to send a print job

Step	Action	Remarks
1	Start the Océ Publisher Select application.	Browse to Start - Programs - Océ Publisher Select
2	From the 'Composition' section, click 'Add' and browse to the document you want to print.	
3	Click 'Add documents' to add the document to the Queue.	If you added all documents that you want to print to the Queue, click 'Ok'.

Step	Action	Remarks
4	If you want to change the job settings of documents in the Queue, select the documents and click 'Edit'.	A separate window opens where you can adjust the job settings of the selected documents. You can change the settings per document and click 'Apply' to assign the settings to the selected document.
5	Click 'Ok' to revert to the Océ Publisher Select window.	
6	Click 'Print'.	
7	Fill in the 'Print Request' fields and click 'Print'.	Once the job is submitted to the printer, you can follow its status in the 'Submitted Jobs' section, and then in the 'History' window.

Note: *More information about how to install, configure and use the Job submission application is available in the documentation provided with Océ Publisher Select.*

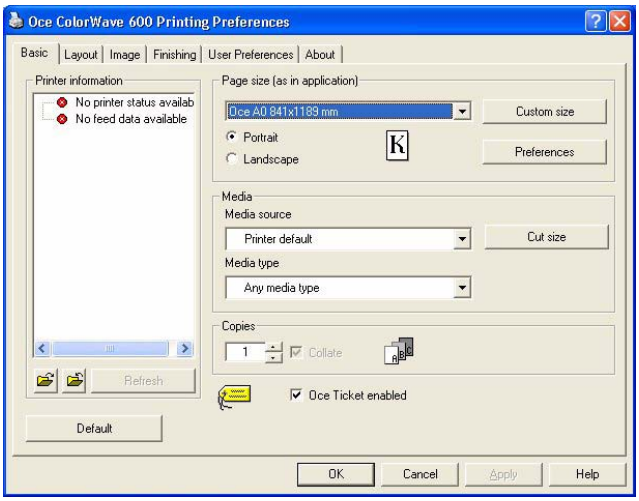
- *the Océ Publisher Select Online Help*
- *the Océ Publisher Select User manual*

Use the Océ Windows® Printer Driver to send a print job

Introduction

Océ provides the Océ Windows® Printer Driver that allows you to send print jobs to your Océ ColorWave™ 600. This driver is a mixed raster-vector HP-GL/2 printer driver that allows you to print from any application under Windows 2000®, Windows XP®, Windows Vista® or Windows Server® 2003 to your Océ printer.

Illustration



How to use the Océ Windows® Printer Driver to send a print job

Step	Action	Remarks
1	Open the file that you want to print in the source application.	AutoCAD® 2000 or any other Windows application
2	From the 'File' menu of the application, click 'Print'.	
3	Select the Océ ColorWave™ 600 in the 'Printer' area of the 'Print' dialog box.	
4	Click 'Properties'.	You can define the default print job settings in the Océ Express WebTools.
5	In the 'Basic' tab activate 'Océ Ticket enabled' to overrule the default values for the job settings.	

Step	Action	Remarks
6	Check all tabs in the driver and change the default settings if necessary.	
7	Click 'OK' to send the print job to the print queue .	

Note: *More information about how to install, configure and use the driver is available in the documentation provided with the Océ Windows® Printer Driver.*

- *the Océ Windows® Printer Driver Online Help*
- *the Océ Windows® Printer Driver User manual*

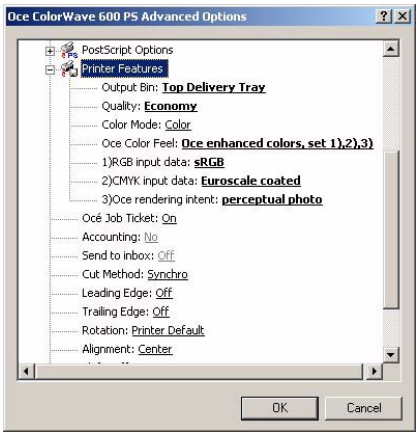
Note: *The Océ ColorWave™ 600 is delivered with a driver pack CD-ROM. You can also download the latest Océ drivers, free of charge, from our Web site www.oce.com.*

Use the Océ PostScript® 3 Driver to send a print job

Introduction

Océ provides the Océ PostScript® 3 Driver that allows you to send print jobs to your Océ ColorWave™ 600.

Illustration



How to use the Océ PostScript® 3 Driver to send a print job

Step	Action	Remarks
1	Open the file that you want to print in the source application.	An Adobe® application or any other graphical application that is able to create PostScript® files.
2	From the 'File' menu of the application, click 'Print'.	
3	Select the Océ ColorWave™ 600 in the 'Printer' area of the 'Print' dialog box.	
4	Click 'Properties'.	You can define the default print job settings in the Océ Express WebTools.
5	Activate the Océ Job Ticket to overrule the default values for the job settings.	
6	Check and change the Printer Features settings if necessary.	
7	Click 'OK' to send the print job to the print queue.	

Note: *More information about how to install, configure and use the driver is available in the documentation provided with the Océ PostScript® 3 Driver.*

- *the Océ PostScript® 3 Driver Online Help*
- *the Océ PostScript® 3 Driver Installation manual*

Note: *The Océ ColorWave™ 600 is delivered with a driver pack CD-ROM. You can also download the latest Océ drivers, free of charge, from our Web site www.oce.com.*

Use FTP to send a print job to the Océ ColorWave™ 600

Introduction

The Océ ColorWave™ 600 supports printing through FTP.
If you send your print job through FTP the default Océ Express WebTools settings are leading.

How to send a print job via FTP

You can print the files through FTP in the following ways.

- Via a command line prompt
- Enter the address **ftp://**<hostname or IP address> **/jobs** in your workstation browser.
- Via a FTP application
- From a Web browser

The Océ ColorWave™ 600 has a dedicated FTP Jobs folder. You cannot delete or change this folder. It is created at installation and protected. The most convenient way to print files through FTP is to drag and drop the files or to copy and paste the files, into this 'Jobs' folder on the FTP site of your Océ ColorWave™ 600 controller. The documents in the folder are printed on the Océ ColorWave™ 600.

Web browsers that support job submission through FTP

Level of functionality	Web browser	Operation
Supports drag and drop of files	Microsoft® Internet Explorer 6.0 (or higher) Mozilla Firefox™ 1.5 (or higher)	Drag the jobs into the 'Jobs' folder on the FTP site of your Océ ColorWave™ 600.
Supports copy and paste of files.	Microsoft® Internet Explorer 6.0 (or higher) Mozilla Firefox™ 1.5 (or higher)	Paste the jobs into the 'Jobs' folder on the FTP site of your Océ ColorWave™ 600.

Use LPR to send a print job to the Océ ColorWave™ 600

Introduction

The Océ ColorWave™ 600 supports printing through LPR.
If you send your print job through LPR the default Océ Express WebTools settings are leading.

How to send a print job via LPR

Type the following line command after the DOS prompt: **lpr -S** <hostname or IP address> **-P** <print queue name> <file name>.

Note: *You can use any name for <print queue name>, for example **jobs**.*

Monitor print jobs

The job states

State	Description
'Active job'	The active job that the system is currently printing.
'Waiting job'	The waiting jobs are all not-active jobs, regardless of their state.
'Processing job'	The system is processing the job data.
'Attention job'	A job that requires user intervention before it can be printed (load media, enter accounting info, password… etc.).
'Receiving job'	A job that is being transferred over the network.
'Printed job'	A job that has at least once been active.

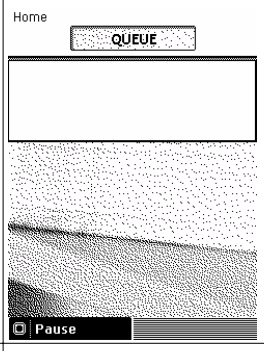
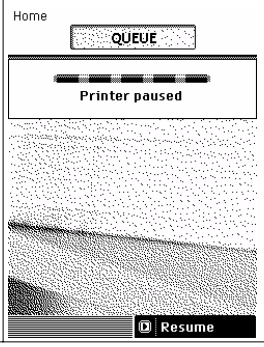
Control print jobs

Pause, resume or delete an active job

Introduction

This section describes how to pause, resume or delete an active job.

How to 'Pause' or 'Resume' an active print job

Action	Remarks
To pause the printer: In the 'Queue' screen use the 'Lower left softkey' key on the printer operator panel to pause the printer. The following message is displayed. ■ 'Printer pause requested' ■ 'The printer stops after this page', if the printer was busy printing.	
In the 'Queue' screen use the 'Lower right softkey' to 'Resume' the printer.	

How to delete an active print job

If you use the	Then	Result
Printer operator panel	Press the 'Red stop key'	The system deletes the job immediately.
Océ Express WebTools	Click on 'Jobs' - 'Queue' and click 'Delete' behind the job you want to delete.	

Solve problems with print jobs

How to solve problems with print jobs

Introduction

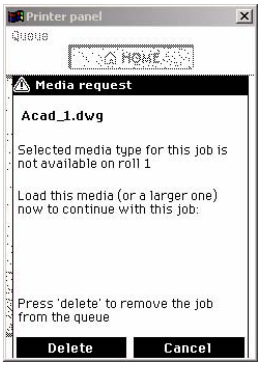
If there is a problem with a print job, the color of the green 'Jobs - Queue' bar in the Océ Express WebTools turns red.
The System Monitor section of the Océ Express WebTools displays the message: 'User intervention required'.
The job that has the problem remains in the queue as an active job, displayed in bold fonts. You can receive detailed information about the problem and how to solve this problem via the printer operator panel.

The most common problem with print jobs is that the requested media for the job is not available. The procedure below gives additional information about how the printer handles a media request.

Note: *For more information about how to solve problems with print jobs, please refer to the Online Help information in the Océ Express WebTools. You can get access to the Online Help information if you click on 'Help' in the upper right corner of the Océ Express WebTools screen.*

Media request via the printer operator panel

1. The printer operator panel displays the following message.


Printer panel
Queue
HOME
Media request
Acad_1.dwg
Selected media type for this job is not available on roll 1
Load this media (or a larger one) now to continue with this job:
Press 'delete' to remove the job from the queue
Delete
Cancel

2. Load the media as requested. *Load a media roll* on page *67*

Attention: If the 'Media request time-out' expires, the 'Action after media request time-out' setting decides if the job is put on hold or if the print job will be deleted. *Configure the 'Media request time-out'* on page *104*

3. The printer continues printing.

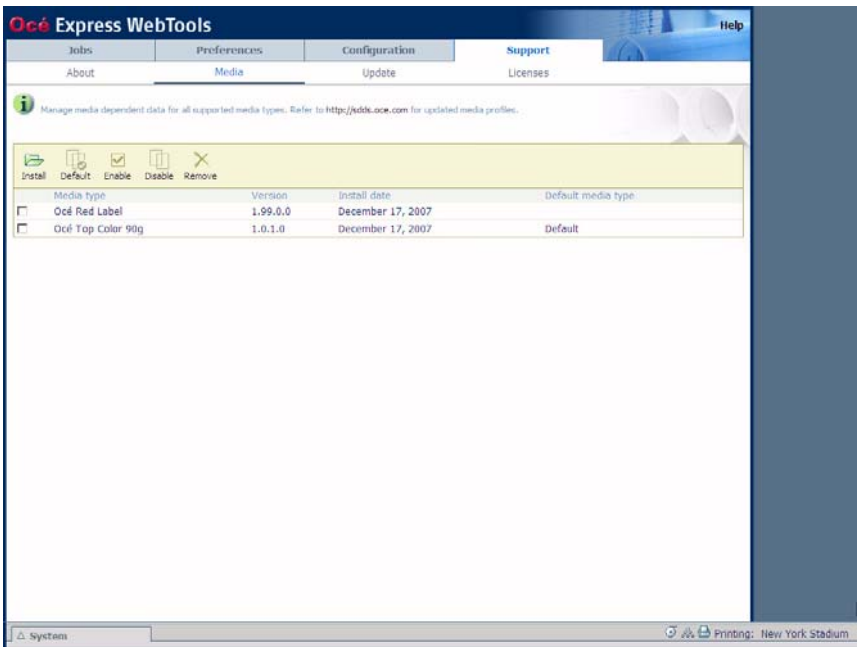
Chapter 6
Manage media on the Océ ColorWave™ 600 printing system

Overview of the media related settings

Introduction

It is important to make sure that the media related settings of your system are set to generate an optimal print result.

You can set media related settings in the following places.

Media related settings	Description
in the Océ Express WebTools	The Océ Express WebTools allow you to manage the media profiles on the printer. In the 'Support' - 'Media' tab your can download new media profiles, upload media profiles to the 'Océ PowerM controller' / 'Océ PowerM Plus controller ' and enable the media that must be available on your printer operator panel *Manage the media profiles* on page *190*. 
on the printer operator panel	You can use the printer operator panel to define the correct media type for the media that you load on your printer. For each media roll you can select one the media types that you enabled in the Océ Express WebTools. 
in the print job submission applications	In your print job submission application (Océ Windows® printer driver, Océ Publisher Express, Océ Publisher Select) you can select a media type and media format for your print job. You must select a media type that is available on your printer.

Define the media configuration of the Océ ColorWave™ 600

Introduction

You must indicate in the Océ Express WebTools the following settings.

- The core size of the media rolls
- The folder value
- The media series

How to define the core size of the media

Attention: Access the Océ Express WebTools. This setting is editable for the Key operator and the Power user.

1. Navigate to 'Preferences' - 'System defaults' - 'Hardware configuration'.
2. Click the value for 'Two-inch core used' to access the edit window and indicate if you also use 2 inch cores.
   The standard roll core size for the Océ ColorWave™ 600 is 3 inch. If you also use media rolls with 2 inch cores the Océ ColorWave™ 600 must do some internal adjustments to also support these media.
3. Click 'Ok' to confirm your entries or 'Cancel' to reject your entries.

How to define the folder value

Attention: Access the Océ Express WebTools. This setting is editable for the Key Operator and the Power user.

1. Navigate to 'Preferences' - 'System defaults' - 'Hardware configuration'.
2. Set the value to 'on' if a folder is connected to the external output at the rear side of the printer.
   The default folder value is 'Off'. You must only change this value if your hardware configuration changes.
3. Click 'Ok' to confirm your entries or 'Cancel' to reject your entries.

How to define the media series



Attention: Access the Océ Express WebTools. This setting is editable for the Key operator and the Power user.

1. Navigate to 'Preferences' - 'System defaults' - 'Hardware configuration'.
2. Click the value for 'Media series' to access the edit window and select the correct media series.
   For standard formats listed below, the shortest dimension is the supported roll width in the media series.
   If you want to select a new media size on the printer operator panel, only the sizes in the defined media series are available.

Setting	Group	Values
'Media series'	'DIN'	A0, A1, A2, A3, A4, B1 (707 mm), B2, 36 inch, 42 inch.
	'DIN Carto'	A0, A1, A2, A3, A4, B1 (700 mm), B2, 36 inch, 42 inch.
	'DIN extended'	A0, A1, A2, A3, A4, B1 (707 mm), B2, 36 inch, 42 inch, 450 mm, 625 mm, 880 mm, and 900 mm.
	'ANSI small'	E, D, C, B, A.
	'ANSI mixed'	E+, E, D+, D, C+, C, B+, B, A+, A, 30 inch and 42 inch.
	'ANSI extended'	E+, E, D+, D, C+, C, B+, B, A+, A, 15 inch, 21 inch, 30 inch and 42 inch.

3. Click 'Ok' to confirm your entries or 'Cancel' to reject your entries.

Manage the media profiles

Introduction

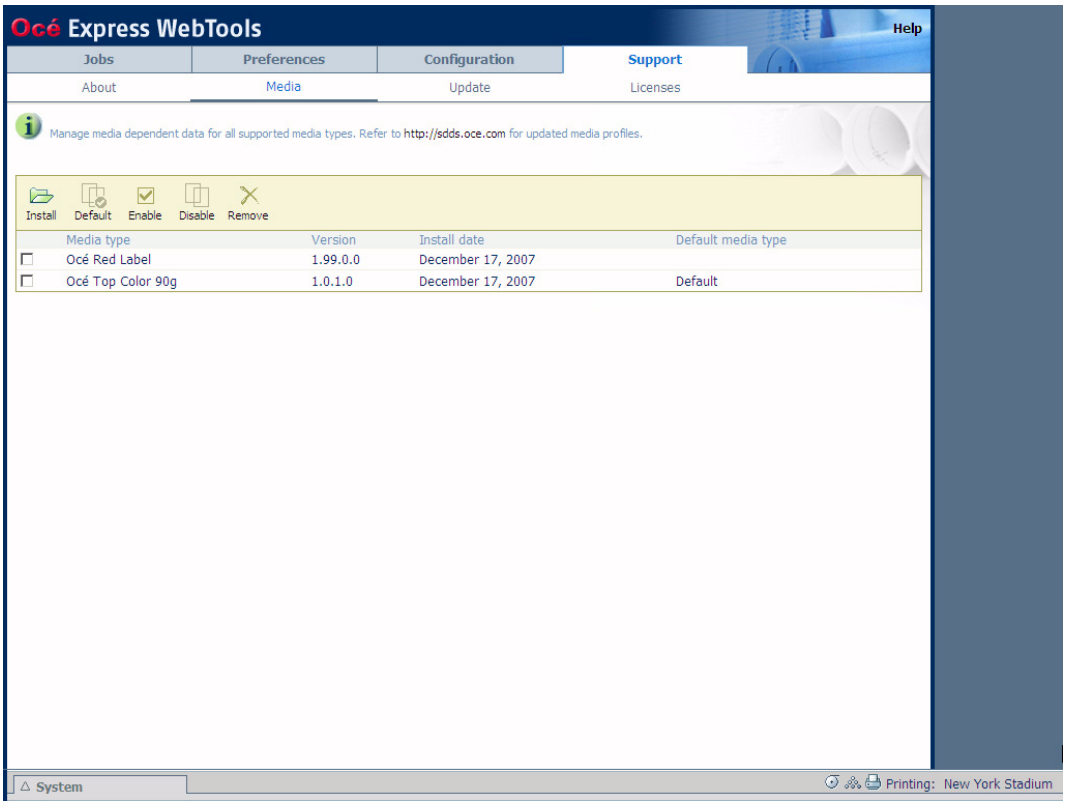
The Océ Express WebTools allow you to manage the media profiles on the printer.

Before you begin

This setting is editable for the Key operator or Power user.

How to manage the media profiles

1. Click the 'Support' - 'Media' tab in the Océ Express WebTools to get an overview of all the media profiles that are available on your Océ ColorWave™ 600 printing system.



Note: *Please refer to Preferred Océ media types and sizes on page 299 and Supported non-Océ media types and sizes on page 302 to get a list of the media profiles that are default available on your system.*

Note: *The media profiles for non-Océ media types are generic media profiles that give the best possible result for a variety of the specified non-Océ media types. Because the media profiles for Océ media types are fine-tuned for each specific media type, the quality of the printed output will improve if you use Océ media types.*

2. Click the media type, for example 'Océ Red Label 75gr', to check the media profile information.
3. Click the check box of a media profile and click the 'Enable' button in the toolbar above the media profiles list to make the media profile available on the printer operator panel and in the print job submission applications. If you 'Disable' a media profile it will no longer be available on the printer operator panel and in the print job submission applications.
4. Click 'Install' if you must upload a new media profile.

Note: *You must download the new media profile from the Océ website before you can upload the new media profile to the Océ ColorWave™ 600 embedded controller.*

5. Click 'Update' if you must upload an updated media profile.

Note: *You must download the updated media profile from the Océ website before you can upload the updated media profile to the Océ ColorWave™ 600 embedded controller.*

6. Click 'Remove' to remove a media type that is no longer supported.

Result

If you are not sure that you have the latest version of the media profile, you can click the hyperlink at the top of the page to access the media profiles download page on the corporate web site. Check the date of the media profile of your choice and if necessary update the media profile in the Océ Express WebTools. More information about the media profiles is available in the 'Work with media profiles' section of the on-line help.

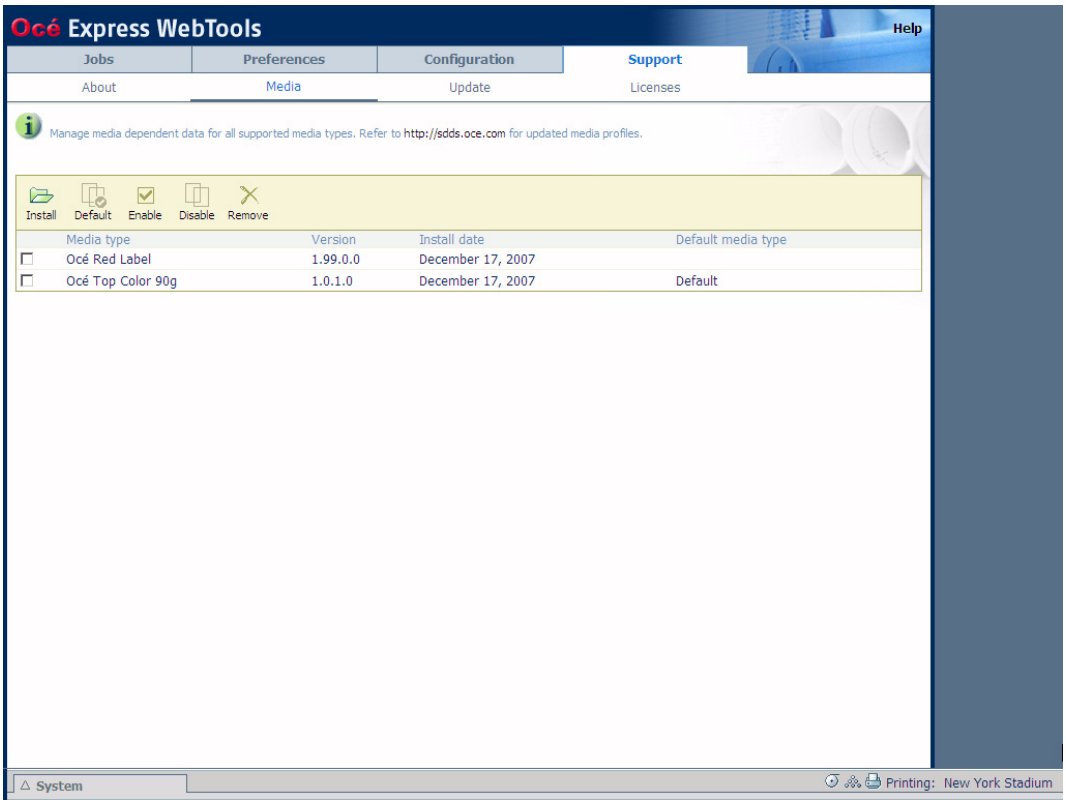
Download a media profile from the Océ web site

When to do

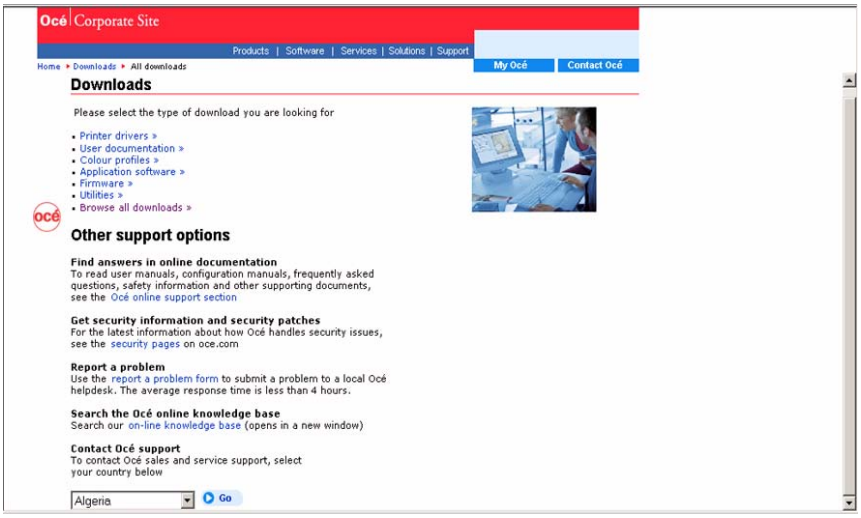
When a new media profile is available or an existing media profile needs to be updated you can retrieve the required media profile from the corporate web site.

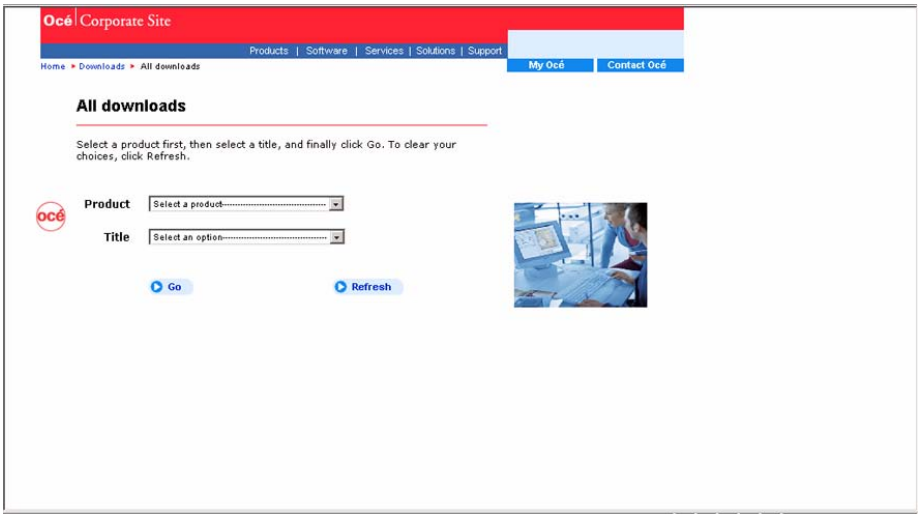
How to download a media profile from the Océ web site

1. Click 'Support' - 'Media', click on the link http://sdds.oce.com and select the **Océ corporate site**



2. Click **Support and Downloads - Go to the Océ downloads site**. Printer: select Océ ColorWave™ 600.


Océ Corporate Site
Products | Software | Services | Solutions | Support
My Océ
Contact Océ
Home ▸ Downloads ▸ All downloads
Downloads
Please select the type of download you are looking for
• Printer drivers »
• User documentation »
• Colour profiles »
• Application software »
• Firmware »
• Utilities »
• Browse all downloads »
Other support options
Find answers in online documentation
To read user manuals, configuration manuals, frequently asked questions, safety information and other supporting documents, see the Océ online support section
Get security information and security patches
For the latest information about how Océ handles security issues, see the security pages on oce.com
Report a problem
Use the report a problem form to submit a problem to a local Océ helpdesk. The average response time is less than 4 hours.
Search the Océ online knowledge base
Search our on-line knowledge base (opens in a new window)
Contact Océ support
To contact Océ sales and service support, select your country below
Algeria
Go


Océ Corporate Site
Products | Software | Services | Solutions | Support
My Océ
Contact Océ
Home ▸ Downloads ▸ All downloads
All downloads
Select a product first, then select a title, and finally click Go. To clear your choices, click Refresh.
Product
Select a product
Title
Select an option
Go
Refresh

3. Download the correct zip file to a location on your workstation.
4. Extract the files in the zip file.
   The zip file contains at least an instruction file how to handle the media profiles.
5. Follow the steps described in the instruction file.

Result

The zip file is stored on the workstation. If you have problems downloading the file, please contact the Océ Helpdesk.
The next step is to upload the media profile to the Océ ColorWave™ 600 controller.

Upload a media profile

When to do

When you have downloaded the zip file of a new or updated media profile from the corporate web site you need to upload this media profile to the Océ ColorWave™ 600 embedded controller.

Before you begin

Extract the contents of the zip file to a folder. See the instruction file you downloaded with the media profile.
This setting is editable for the System administrator or Power user.

How to install a new media profile

1. Click 'Support' - 'Media'.
2. Click the 'Install' button in the toolbar above the media profiles list.
3. Click Browse to navigate to the correct file on your workstation.
4. Select the media profile and click Upload or 'Cancel'.
5. Click the check box of the new media profile and click the 'Enable' button in the toolbar above the media profiles list to make the new media profile available on the printer operator panel.

How to update an existing media profile

1. Click 'Support' - 'Media'.
2. Click the check box of the media profile you want to update.
3. Click the 'Update' button in the toolbar above the media profiles list.
4. Click Browse to navigate to the correct file on your workstation.
5. Select the media profile and click Upload or 'Cancel'.
6. Click the check box of the updated media profile and click the 'Enable' button in the toolbar above the media profiles list to make the updated media profile available on the printer operator panel.

Result

A warning message appears to inform you of the consequences for the print jobs. The file is stored on the Océ ColorWave™ 600 embedded controller. The new file is visible in the media profile list on the 'Media' tab.

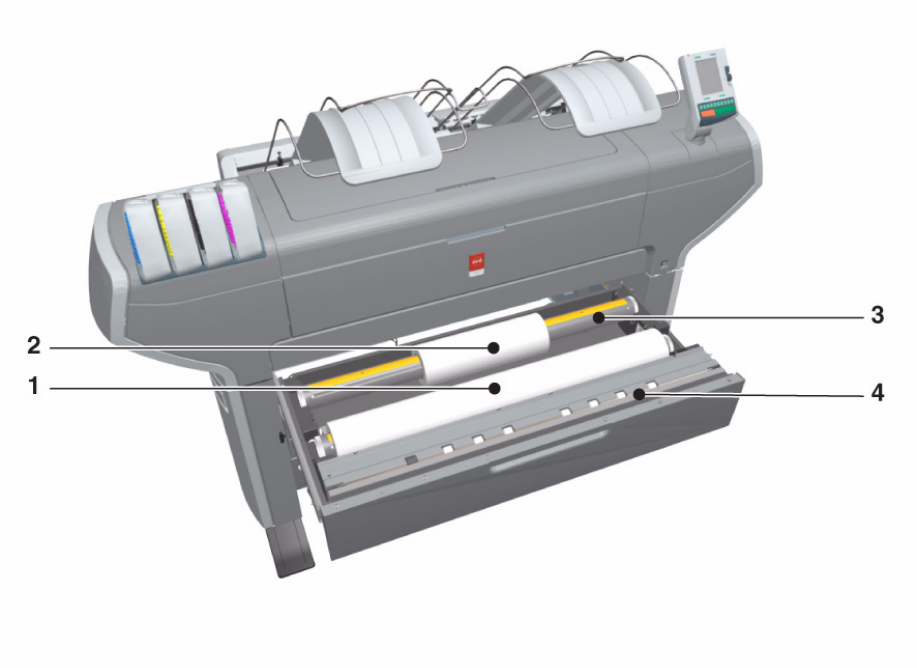


Note: *If an older version of the file was active on the controller, this file will be overwritten by the new file.*

Replace a media roll

The 'Media drawer'

Illustration



Component - function table

Attention: Only use intact media rolls. Dented media rolls can damage the 'Imaging devices'.

Number	Component	Description / Function
1	'Roll' 1	Media roll 3 or 5 in other media drawers
2	'Roll' 2	Media roll 4 or 6 in other media drawers
3	'Roll holder'	Carries the media roll

Number	Component	Description / Function
4	'Roll loading station'	Groove integrated behind the front cover of the media drawer. To load new media on the printer, the operator must proceed as follows ■ place the new media roll temporarily on the roll loading station ■ insert the roll holder into the new media roll ■ place the roll holder with the new media roll in the correct roll position
5	'Roll loader' (optional)	Helps the operator to load a media roll.

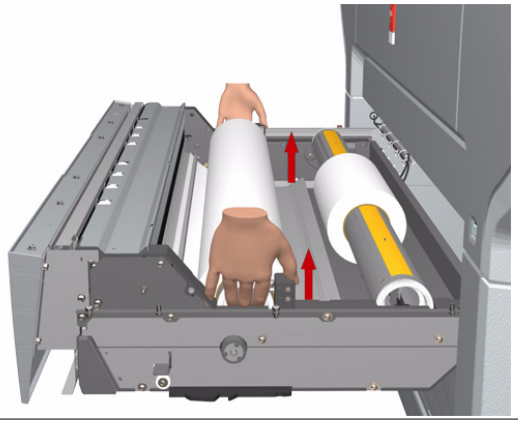
Remove a media roll

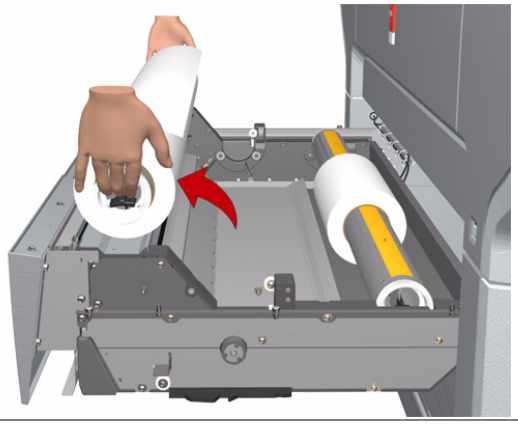
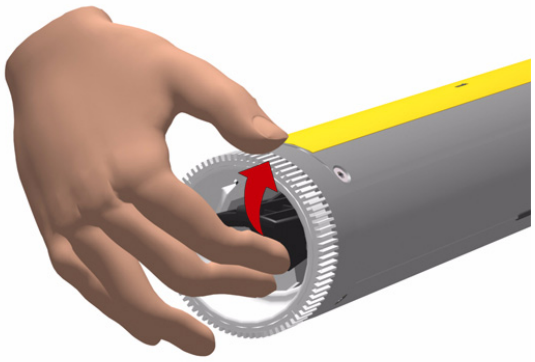
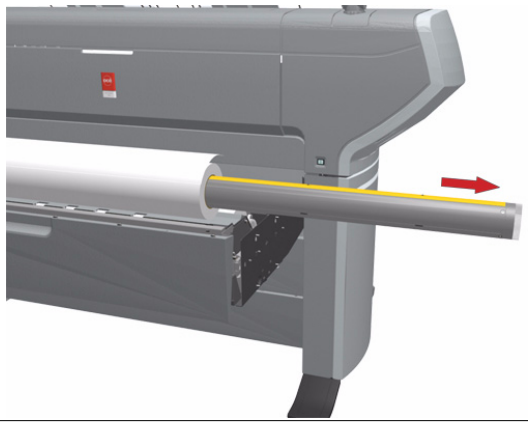
How to remove a media roll

Attention: Do not open the media drawer during the print process.

Attention: Do not open more than one media drawer at the same time to prevent overbalance of the printer.

Caution: Watch your fingers when you handle the media roll.

Step	Description	Illustration
1	Open the media drawer that contains the media roll that you want to remove.	
2	Roll back the media manually to remove the media from the metal paper guide. Then, use both hands (as indicated) to lift the roll holder with the media roll.	

Step	Description	Illustration
3	Put the roll holder with the media roll on the roll loading station.	
4	Pull the handle of the roll holder locking mechanism towards you.	
5	Remove the roll holder from the core of the media roll.	
6	Remove the media roll from the roll loading station.	

Unpack the media roll

How to unpack the media roll



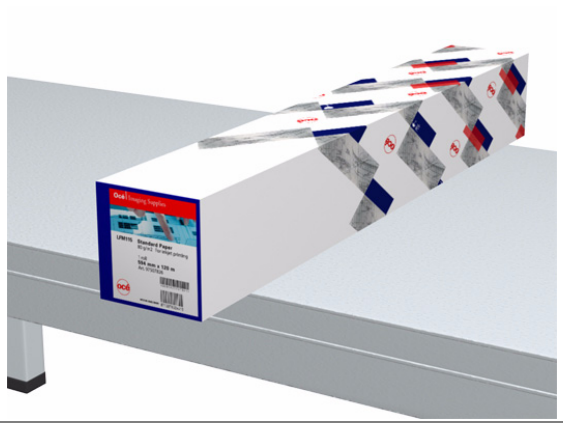
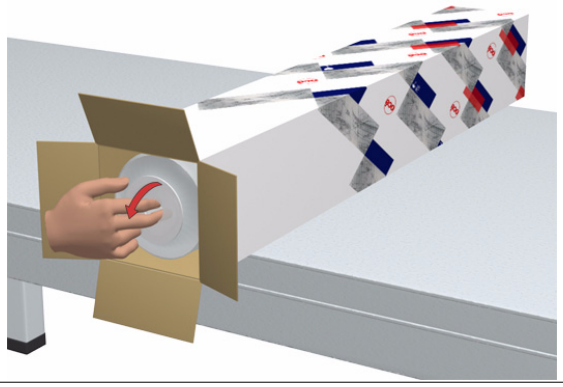
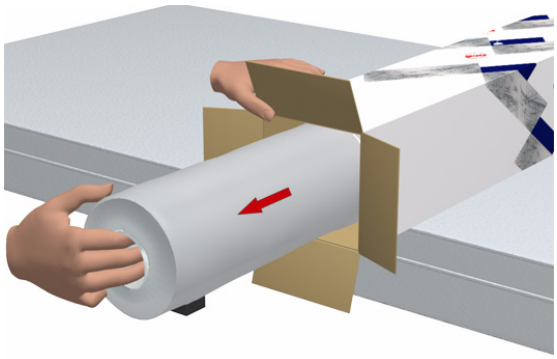
Attention: Handle the media roll with care. A dented media roll can damage the imaging devices.



Attention: Please note down the media code (for example LFM090) indicated on the sticker on the media box. You need this code to select the correct media type on the printer operator panel.



Attention: Always write the correct media name and media code inside the core, after you unpack the media roll. In that case, if you replace a media roll before it is empty and you want to re-use it later, you will have the correct media information available.

Step	Description	Illustration
1	Place the media box on a table and open it.	
2	Remove the plug from the media roll.	
3	Carefully remove the media roll from the box.	
4	Remove the other plug and plastic around the media roll.	

Load a media roll

How to load a media roll

Attention: Do not use dented media rolls to prevent damage to the imaging devices.

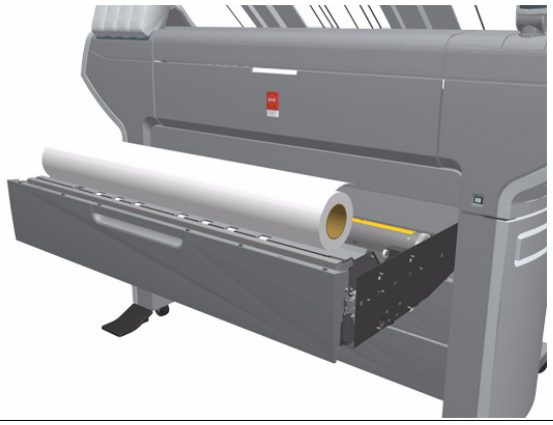
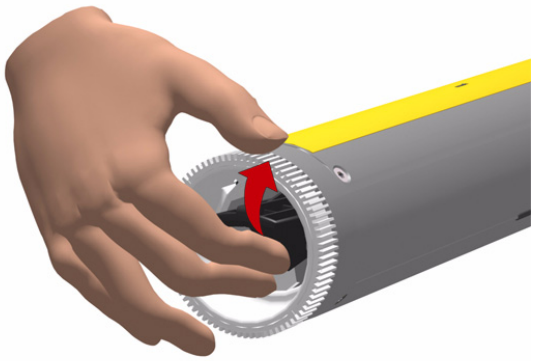
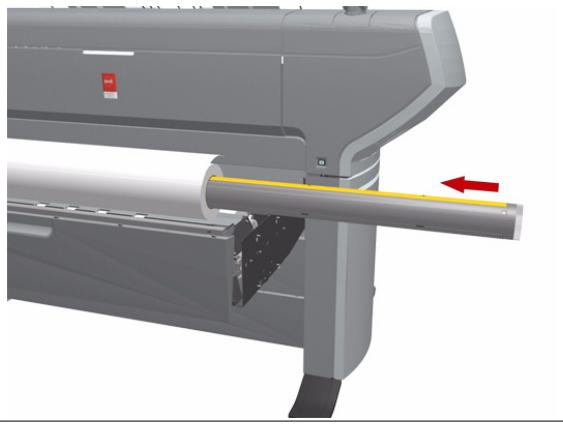
Attention: Do not open the media drawer during the print process.

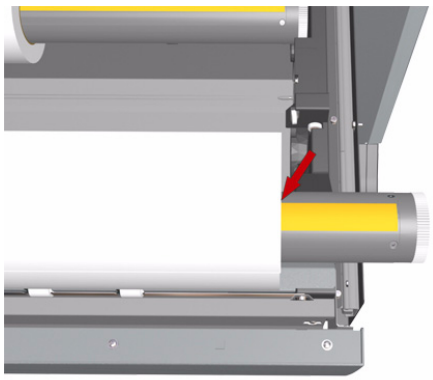
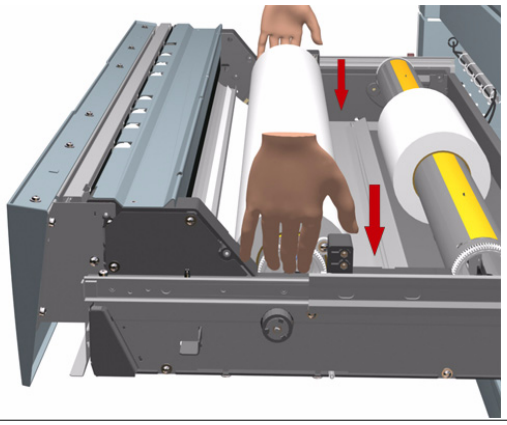
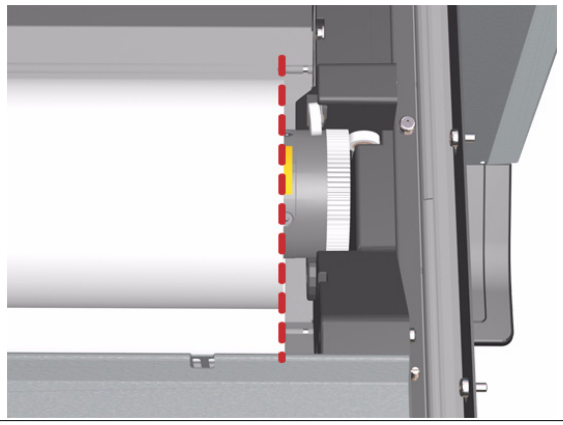
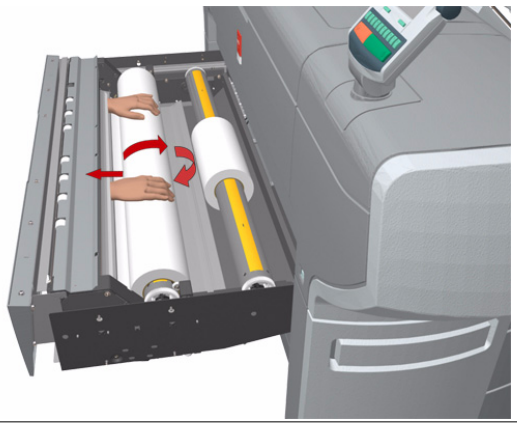
Attention: Do not open more than one media drawer at the same time to prevent overbalance of the printer.

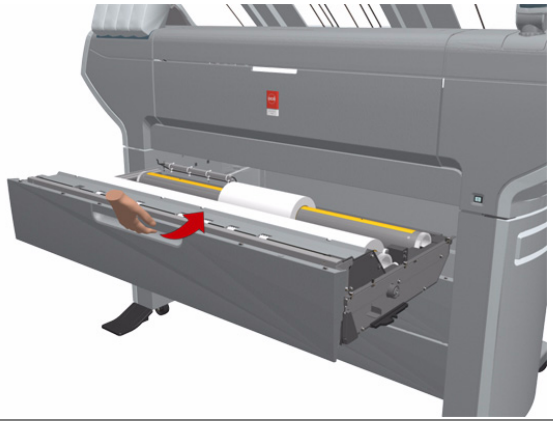
Attention: It is very important to select the media type with the correct media code (for example LFM090). You can find the media code of the new media roll on the sticker on media box. The media code represents a specific media profile that the Océ ColorWave™ 600 uses to optimize the printed output for the corresponding media type. If the correct media code is not available on your printer operator panel, you must first make a new media profile available on the printer operator panel. *Make a new media profile available on the printer operator panel* on page *139*

Attention: When you unpack a media roll, always write the correct media name and media code inside the core. In that case, if you replace a media roll before it is empty and you want to re-use the media roll later, you will have the correct media information available.

Caution: Watch your fingers when you handle the media roll.

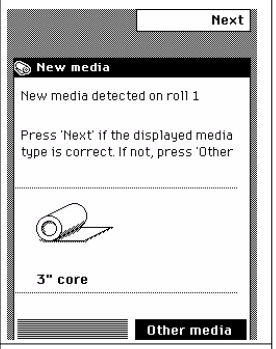
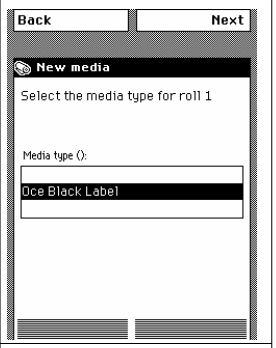
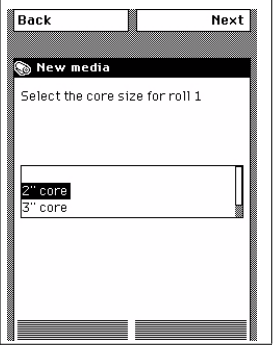
Step	Description	Illustration
1	Open the correct media drawer to load the new media roll.	
2	Place the new media roll on the roll loading station.	
3	Pull the handle of the roll holder locking mechanism towards you.	
4	Slide the roll holder in the core of the new media roll.	

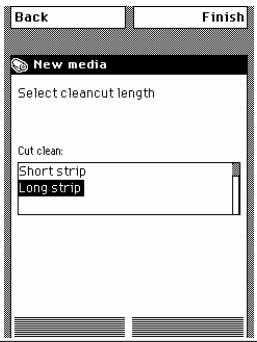
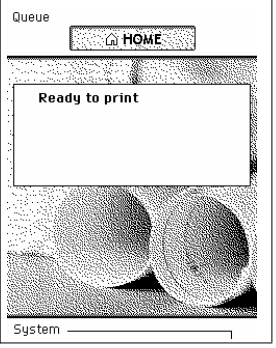
Step	Description	Illustration
5	Align the roll with the correct size indicator on the roll holder (At the left and right hand side). Release the handle of the locking mechanism.	
6	Remove the two tapes from the new media roll. Use both hands (as indicated) to place the media roll in the media drawer.	
7	Keep the media tight on the roll and in-line with the side edge.	
8	Remove the tapes from the new media roll. Use both hands to slide the media under the metal paper guide. A "beep" confirms correct paper transport.	

Step	Description	Illustration
9	Close the media drawer. **Note:** *Do not open the 'Media drawer' during loading.*	
10	The next screen appears on the printer operator panel.	

Define the media type and the core size

How to define the media type and the core size

Step	Screen	Screen dump
1	If the displayed media type and core size is correct you can press 'Next ' and go to step 4. Otherwise, press 'Other media' and continue with step 2.	
2	Use the 'Scroll wheel' to select the correct media type from the list and confirm your entry with the 'Confirmation key'. **Note:** *If the correct media type is not available on your printer operator panel, you must first make a new media profile available on the printer operator panel. Make a new media profile available on the printer operator panel*	
3	Use the 'Scroll wheel' to select the correct core size for your new media roll and confirm your entry with the 'Confirmation key'. **Note:** *The standard roll core size for the 'Océ ColorWave™ 600 Printer' is 3".*	

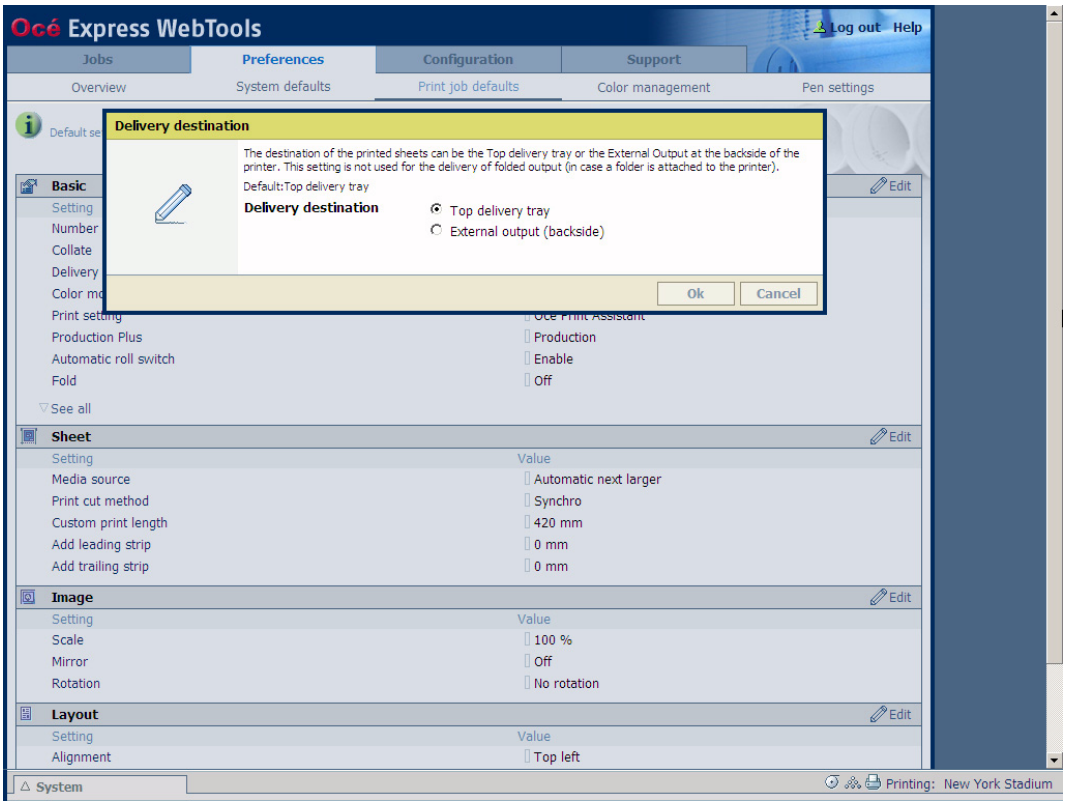
Step	Screen	Screen dump
4	Use the 'Scroll wheel' to select the clean-cut length for your new media roll and confirm your entry with the 'Confirmation key' **Note:** *Select 'Long strip' for new media.*	
5	Press 'Finish' and return to the 'Home' screen. **Note:** *When the strip is cut the new media is ready for use.*	

The output delivery

Introduction

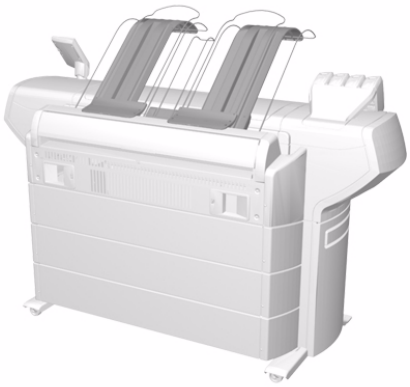
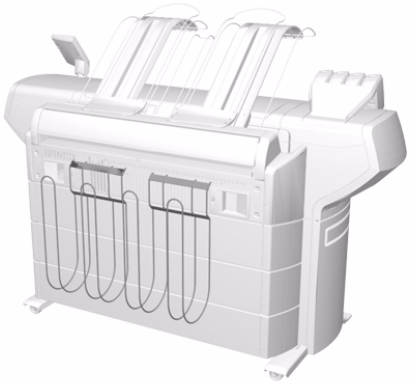
There are three factors that can influence the delivery destination of the printed output.

1. The media profile of the media you use.
   Some media profiles require a specific output delivery. If the correct media profile is available on your printer operator panel, the Océ ColorWave™ 600 automatically selects the correct output delivery.
   If the correct media is not available on your printer operator panel, you can download the media profile from the Océ website (*Download a media profile from the Océ web site* on page *192*) and upload the media profile to the 'Océ PowerM controller' / 'Océ PowerM Plus controller ' (*Upload a media profile* on page *194*).
2. The media roll core size of the media you use.
3. The 'Delivery destination' setting that you defined in the Océ Express WebTools. To set the default 'Delivery destination' select the 'Preferences' - 'Print job defaults' tab.



The output delivery

Attention: The table below gives an overview of the common output delivery destination. If the media profile of the media you use requires a specific output delivery, the common delivery destination will be overruled.

<table>
<tr><th>When the media roll you use has a</th><th>and the default 'Delivery destination' is</th><th>Then the printed output</th></tr>
<tr><td>3" roll core</td><td>'Top delivery tray'</td><td>is delivered at the 'Top delivery tray'
  </td></tr>
<tr><td>3" roll core</td><td>'External output (back)'</td><td rowspan="2">is lead through the slot below the 'Top back cover' at the back of the printer.
  </td></tr>
<tr><td>2" roll core</td><td>Not applicable</td></tr>
</table>

Make a new media profile available on the printer operator panel

How to make a new media profile available on the printer operator panel

1. download the correct media profile from the Océ website (*Download a media profile from the Océ web site* on page *192*)
2. upload the correct media profile to the Océ ColorWave™ 600 embedded controller (*Upload a media profile* on page *194*)
3. click the check box of a media profile and click the 'Enable' button in the toolbar above the media profiles list to make the media profile available on the printer operator panel.

Note: *You cannot restart the Océ ColorWave™ 600 controller. You can only switch off and on the Océ ColorWave™ 600 printer. The media list on the printer operator panel will be updated automatically.*

Define the correct media for your jobs

Definition

To achieve optimal output quality, make sure that you load and define the correct media type on the printer.

Make sure you define the correct media type for your job. Check if the media type (with the correct media format) that you defined in your job is available on the printer.

When productivity with different media sizes is the most important requirement.	
1	Load up to 6 media rolls on the printer with different media sizes and the same media types.
2	Use the 'Landscape' orientation to print a job on a media size that is one size smaller than the media defined on the system. For example, A1 prints in landscape on A0 and A2 prints in landscape on A1. You are not required to cut the media by hand.
3	Use the 'Auto rotate landscape' setting or the 'Auto rotate landscape with additional 180° rotation' in the Océ Express WebTools or the job submission tools to rotate the orientation automatically.

Note: *The above procedure is based on DIN media sizes. You can also use this procedure with ANSI media sizes.*

When productivity is the only important requirement.	
1	Load and define two or more media rolls on the printer with the same media sizes and the same media types. **Note:** *When roll 1 is empty, the printer switches automatically to roll 2.*

Laminate the media

Introduction

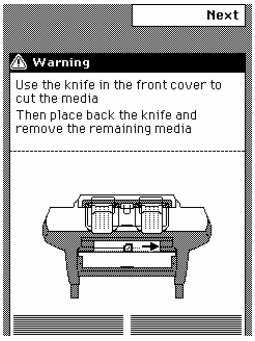
For durability or protection purposes you can decide to laminate your printed output.

Please refer to *Preferred Océ laminates* on page *305* to find an overview of the advised Océ Laminates and the advised setting for your laminating device.

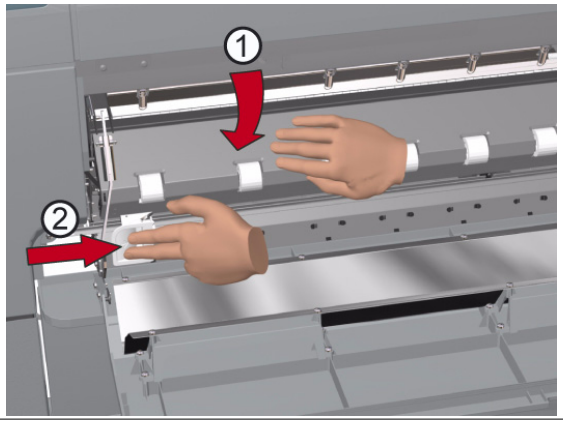
Handle a media jam

Introduction

When a media jam occurs, one of the steps to solve the problem is to cut the jammed media. The printer operator panel displays the following message.



How to cut the media

Step	Action	Remarks
1	Use your right hand to push down the metal plate that guides the media. Use your left hand to cut the media from left to right with the knife behind the front cover.	
2	Place the knife back into the original position. Again, push down the metal plate that guides the media.	

Chapter 7
Print quality and Print productivity

Main settings that influence the print quality

Overview table print quality settings

To increase the print quality of your system, you can define the following default settings to configure the system to get optimal results.

Click	To go to
'Preferences'- 'Print job defaults' - 'Basic'	■ 'Color mode' ■ 'Print setting'
'Preferences' - 'Color management settings'	■ 'For HP-GL, HP-GL/2 and HP-RTL files' ■ 'For TIFF and JPEG files' ■ 'For PostScript and PDF files'

Note: *The overview only refers to the default settings that you can influence in the Océ Express WebTools. If you select these settings in your print job submission application (Océ Windows® printer driver, Océ Publisher Pro or Océ Publisher Select) and the Océ job ticket is enabled, the values of these settings will overrule the default settings that you defined in the Océ Express WebTools.*

Main settings that influence the print productivity

Overview table of print productivity settings

To increase the print productivity of your system, you can change the following settings to let the printer print faster and more efficiently. Bear in mind that when you increase the print speed of your system, this can influence the print quality of you printer.

Click	To go to
'Preferences' - 'Print job defaults' - 'Basic'	■ 'Color mode' ■ 'Print setting' ■ 'Automatic roll switch' ■ 'Spool threshold'
'Preferences' - 'Print job defaults' - 'Image'	'Rotation'

The overview only refers to settings that you can influence in the Océ Express WebTools.

The print productivity depends on the following aspects.

- The size and complexity of the input file.
- The print job submission application.
- The settings that must be set during the print job creation and submission (Orientation, Rotation, Resizing, Print quality, Color mode).

Set the 'Color mode'

Introduction

Use the Océ Express WebTools to set the printer's default setting for the 'Color mode' for a print job.

Note: *If you select this setting in your print job submission application (Océ Windows® printer driver, Océ Publisher Pro or Océ Publisher Select) and the Océ job ticket is enabled, the value of this setting will overrule the default value.*

You can choose one of the following options.

- 'Grayscale'
  The system only prints grayscale. The print speed increases in the grayscale mode.
- 'Color'
  The Océ ColorWave™ 600 prints all the colors.

Before you begin

This setting is editable for the Key operator or Power user.

How to set the color mode

1. Click 'Preferences'- 'Print job defaults' - 'Basic'.
2. Click 'Edit' in the 'Basic' bar or click the value of the 'Color mode' setting.
3. Select 'Grayscale' if the print productivity is the most important factor.
4. Select 'Color' if the print quality is the most important factor.

Note: *The color "black" also looks nicer when printed in color. In that case all colors (cyan, magenta, yellow and black) are used to produce black, and not only black toner.*

5. Click 'Ok' to confirm your entries or 'Cancel' to reject your entries.

Set the 'Print setting'

Introduction

The 'Print setting' in the 'Print job defaults' section allows you to set the printer's default value if no quality mode has been set in the print job.

Note: *If you select this setting in your print job submission application (Océ Windows® printer driver, Océ Publisher Pro or Océ Publisher Select) and the Océ job ticket is enabled, the value of this setting will overrule the default value.*

Setting	Description
'Océ Print Assistant'	For true "Green-button"-printing, Océ has developed the 'Océ Print Assistant'. If you select the 'Océ Print Assistant', the Océ ColorWave™ 600 automatically selects the print setting ('Economy', 'Production' or 'Presentation') that best fits the file with respect to the file content. Low coverage area files are printed via the fast 'Economy' print setting. High coverage area files are printed via the 'Presentation' setting. You can use the 'Océ Print Assistant Behavior' setting to adjust the thresholds for switching from one mode to another (using the 'Océ Print Assistant Slider'). With this setting you can fine-tune the 'Océ Print Assistant' to optimize further speed and quality to your personal needs. *Set the 'Océ Print Assistant Behavior'* on page *221*
'Economy'	Print speed around half a minute per A0.
'Production'	Print speed around one minute per A0. With the 'Production Plus' setting you can define how the Océ ColorWave™ 600 must interpret the 'Production"Print setting'. ■ Select 'Production' for regular prints. ■ Select 'Production Plus' to enhance fine details like text in a very small font. It optimizes the print quality of the 'Production' print setting, by trading $^{1}/_{4}$ less speed for less gloss banding at high coverage and higher dpi.
'Presentation'	Print speed around 3 minutes per A0.

Before you begin

This setting is editable for the Key operator or Power user.

How to set the 'Print setting'

1. Click 'Preferences'- 'Print job defaults' - 'Basic'.
2. Click 'Edit' in the 'Basic' bar or click the value of the 'Print setting' setting.
3. Select 'Economy' if the print productivity is the most important factor.
   Select 'Presentation' if the print quality is the most important factor.
   Select 'Océ Print Assistant' for the best balance between print quality and print speed.
4. Click 'Ok' to confirm your entries or 'Cancel' to reject your entries.

Set the 'Océ Print Assistant Behavior'

Introduction

This setting is only used when the 'Print setting' is set to 'Océ Print Assistant'.
The 'Océ Print Assistant' decides what print setting ('Production', 'Presentation' or 'Economy') must be used, based on the average toner coverage of the print.
You can use the 'Océ Print Assistant Behavior' setting to influence the average toner coverage limits that the 'Océ Print Assistant' uses to select one of the print settings. Low coverage area files are printed via the fast 'Economy' print mode. High coverage area files are printed via the 'Presentation' mode. The thresholds for switching from one mode to another can be altered by the 'Océ Print Assistant Behavior'[1]. In this way the 'Key operator' can fine-tune the 'Océ Print Assistant' to optimize further speed and quality to his personal needs. The 'Océ Print Assistant' will be the default mode for the 'Océ ColorWave™ 600 Printer'.

[1] The number in the 'Océ Print Assistant Behavior' represents a position on a scale from 0 to 100. A higher number means an increased preference for print quality, a lower number means an increased preference for print speed.

Note: *If you select this setting in your print job submission application (Océ Windows® printer driver, Océ Publisher Pro or Océ Publisher Select) and the Océ job ticket is enabled, the value of this setting will overrule the default value.*

Before you begin

This setting is editable for the Key operator or Power user.

How to set the 'Oce Print Assistant Behavior'

1. Click 'Preferences' - 'Print job defaults' - 'Basic'.
2. Click 'Edit' in the 'Basic' bar or click the value of the 'Oce Print Assistant Behavior' setting.
3. Set the 'Océ Print Assistant Slider' to '0' if the print productivity is the most important factor.
   Set the 'Océ Print Assistant Slider' to '100' if the print quality is the most important factor.
4. Click 'Ok' to confirm your entries or 'Cancel' to reject your entries.

Set the 'Production Plus' setting

Introduction

With this setting you can define how the Océ ColorWave™ 600 must interpret the 'Print setting''Production'.

Before you begin

This setting is editable for the Key operator or Power user.

How to set the 'Production Plus' setting

1. Click 'Preferences' - 'Print job defaults' - 'Basic'.
2. Click 'Edit' in the 'Basic' bar or click the value of the 'Production Plus' setting.
3. Select 'Production' for regular prints.
   Select 'Production Plus' to enhance fine details like text in a very small font.
4. Click 'Ok' to confirm your entries or 'Cancel' to reject your entries.

Set the 'Automatic roll switch'

Introduction

You can choose one of following values.

- 'Enable'
  Select this value if you have two or more media rolls that contain identical media (the same media type and media size). In that case, the printer can automatically switch to an alternative media roll when a roll runs out of media and continue printing.
- 'Disable'
  Select this value if all media rolls contain different media types or media sizes. There are two options:
  If you select a specific roll number for your print job and the selected media roll runs out of media, the printing process stops.
  If you did not select a specific roll number for your print job, but only a media type and a media size, the printer automatically selects the roll that contains the required media type and size.

Before you begin

This setting is editable for the Key operator or Power user.

How to set the 'Automatic roll switch'

1. Click 'Preferences'- 'Print job defaults' - 'Basic'.
2. Click 'Edit' in the 'Basic' bar or click the value of the 'Automatic roll switch' setting.
3. Select the correct value.
   Select 'Enable' if print productivity is an important factor.
4. Click 'Ok' to confirm your entries or 'Cancel' to reject your entries.

Set the 'Spool threshold'

Introduction

When the job memory is full the printer can not receive new jobs. You can tune the 'Spool threshold' to define the spool capacity for specific job types. Allow a higher capacity for small jobs if you select Low. Select High if you want to reduce the risk of aborting file transfer of large print jobs if the job memory is full.

You can choose one of following values.

- 'Low'
  Select this value if you want to allow a higher capacity for small print jobs.
- 'Normal'
  This is the default setting.
- 'High'
  Select this value if you want to reduce the risk of aborting file transfer of large print jobs if the job memory is full.

Before you begin

This setting is editable for the Key operator or Power user.

How to set the Spool threshold

1. Click 'Preferences'- 'Print job defaults' - 'Basic'.
2. Click 'Edit' in the 'Basic' bar or click the value of the 'Spool threshold' setting.
3. Select the correct value.
   Select 'Low' if print productivity is an important factor.
4. Click 'Ok' to confirm your entries or 'Cancel' to reject your entries.

Set the 'Rotation' mode

Introduction

The 'Rotation' setting allows you to rotate the image according to predefined rotation values or you can let the printer perform the rotation automatically.

Choose one of the following values.

- 'No rotation'
- '90°'
- '180°'
- '270°'
- 'Auto rotate portrait'
- 'Auto rotate landscape'
- 'Auto rotate portrait with additional 180° rotation'
- 'Auto rotate landscape with additional 180° rotation'
- Auto rotate media saving

When to do

When you want to give preference to a productive print set-up and an efficient use of media configure the system for Auto rotate media saving.

Before you begin

This setting is editable for the Key operator or Power user.

How to set the rotation mode

1. Click 'Preferences'- 'Print job defaults' - 'Image'.
2. Click 'Edit' in the 'Image' bar or click the value of the 'Rotation' setting.
3. Select the correct value.
   Select Auto rotate media saving if the print productivity is an important factor.
4. Click 'Ok' to confirm your entries or 'Cancel' to reject your entries.

Result

The output will be printed with minimal waste of media. In most cases this means that the output will be printed in landscape orientation, provided the output fits on the media in this orientation.

Set the 'Alignment' mode

Introduction

You can optimize the print productivity by reducing the distance the print carriage needs to travel to print the output. To do so you can align the image to the top-right hand corner of the sheet.

You can choose the following alignment settings.

[87] Alignment settings

'Alignment' mode		
'Top left'	'Top'	'Top right'
'Left'	'Center'	'Right'
'Bottom left'	'Bottom'	'Bottom right'

Before you begin

This setting is editable for the Key operator or Power user.

How to set the alignment mode

1. Click 'Preferences' - 'Print job defaults' - 'Layout'.
2. Click 'Edit' in the 'Layout' bar or click the value of the 'Alignment' setting.
3. Select 'Top right' if the print productivity is the most important factor.
4. Click 'Ok' to confirm your entries or 'Cancel' to reject your entries.

Set the 'Network duplex mode'

Introduction

Use the Océ Express WebTools to set 'Network duplex mode' for your network adapter.
The list of values you can select depends on the type of network card.

Before you begin

This setting is editable for the System administrator or the Power user.

How to set the 'Network duplex mode'

1. Click 'Configuration' - 'Network' - 'Adapter 1, hardware settings'.
2. Click 'Edit' in the 'Adapter 1, hardware settings' bar or click the value of the 'Network duplex mode' setting.
3. Click 'Ok' to confirm you entries or 'Cancel' to reject your entries.

Set the 'Network speed'

Introduction

Use the Océ Express WebTools to set 'Network speed' for your network adapter. The list of values you can select depends on the type of network card.

Before you begin

This setting is editable for the System administrator or the Power user.

How to set the 'Network speed'

1. Click 'Configuration' - 'Network' - 'Adapter 1, hardware settings'.
2. Click 'Edit' in the 'Adapter 1, hardware settings' bar or click the value of the 'Network speed' setting.
3. Click 'Ok' to confirm you entries or 'Cancel' to reject your entries.

Color Management

What is Color Management?

Definition

The 'Color management' settings help you to reproduce the colors of your input as precisely as possible on the printed output.
With the 'Color management' settings you define how to convert the color-information of the file you want to print (input color space; RGB or CMYK color space) to the output color space of the Océ ColorWave™ 600 (CMYK color space). This conversion can require approximations in order to preserve the image's most important color qualities.

To be able to reproduce colors it is important to define the following.

- Input profile / Standardization
- Color feel / Rendering intents
- Output profile

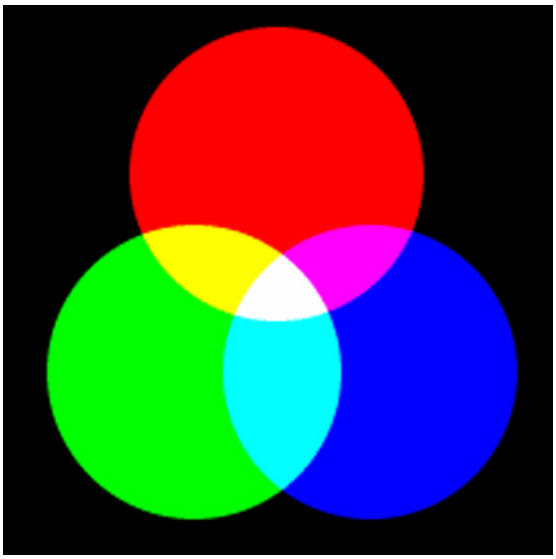
What is an input profile / standardization?

Definition

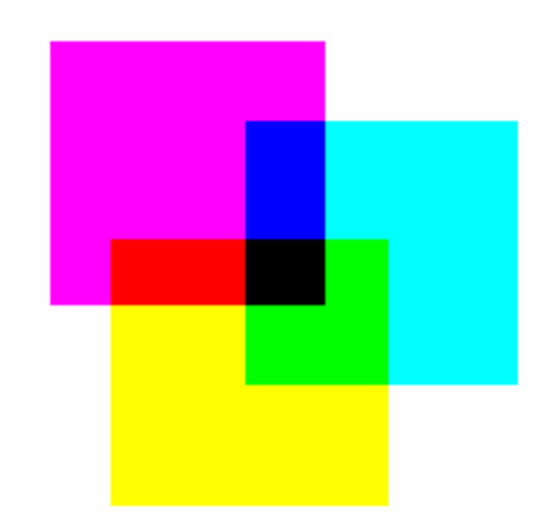
An input profile / standardization defines what color space you must use to interpret the color information of the file you want to print in a correct manner.

The two main input profiles (color spaces) are the following.

- **RGB**
  The RGB color space is based on the RGB color model. RGB (Red, Green, Blue) is a suitable color model for computer graphics because the human visual system operates in a similar manner.
  The RGB color space is an **additive** color space, where you can mix colors based on light. You can create white light if you add equal parts of each of the three primary colors: red, green, and blue. All three colors are required to produce white and the absence of all three produces black. In additive mixing, the RGB colors are the primary colors and cyan, magenta, and yellow (CMY) are the secondary colors.



- **CMYK (Colors you print)**
  The CMYK color space is based on the CMYK color model. The CMYK (Cyan, Magenta, Yellow and Black color space is a **subtractive** color space, where you can mix colors based on subtracting light energy from the spectrum. The CMY toners are used to create RGB colors. All three inks are required to produce black and the absence of all three produces white. In subtractive color mixing the CMY colors are the primary colors and RGB are the secondary colors.



You can define the input profile if you use the 'Color feel' setting 'Océ enhanced colors'.
The table below gives an overview of the possible input profiles / standardization settings.

Input profile / standardization	Description
RGB - 'sRGB'	Use this setting to indicate the color space of a standard computer monitor. sRGB is the most frequently used RGB color space, especially in consumer grade digital cameras. sRGB is acceptable for most consumer applications. The sRGB design allows easy previewing on a standard computer display.
RGB - 'AdobeRGB'	This setting indicates an RGB color space developed by Adobe in 1998. Adobe RGB has a larger gamut than sRGB. Adobe RGB is included in more medium-range digital cameras, and many professional graphic artists prefer Adobe RGB for its larger gamut.
CMYK - 'Euroscale coated'	This setting indicates an offset press standard, frequently used in Europe to print separations and proofs on coated media.
CMYK - 'Euroscale uncoated'	This setting indicates an offset press standard, frequently used in Europe to print separations and proofs on uncoated media.

Input profile / standardization	Description
CMYK - 'US Web coated (SWOP)'	This setting indicates an offset press standard, frequently used in the US to print separations and proofs on coated media.
CMYK - 'US Web uncoated'	This setting indicates an offset press standard, frequently used in the US to print separations and proofs on uncoated media.

What is Color feel?

Definition

With the 'Color feel' setting you can fine-tune the **look and feel** of the printed colors. The 'Color feel' setting defines the color space conversion method.

'Color feel'	Description
'Océ CAD colors'	Use this setting to get a print with bright, saturated colors. Advised for vector drawings (like HP-GL). All primary and secondary colors are clean, because they are printed with pure inks. This is clearly visible if you look at the color yellow that is printed with yellow ink only. An increase in coverage results in (almost) the same increase in ink. The blue color is not purplish but nice blue. This mode is preferred for CAD drawings created with applications like AutoCAD or ArcView. Photos printed in this mode will look dull and grayish.
'Océ enhanced colors'	Use this setting to get a print with photo-realistic colors. Advised for photos or graphic art presentations. If you select 'Océ enhanced colors' you can also adjust the advanced Color Management settings. ■ 'Enhanced colors: RGB input data' ■ 'Enhanced colors: CMYK input data' (only 'For TIFF and JPEG files' or 'For PostScript and PDF files') ■ 'Enhanced colors: rendering intent'
'Simulated Océ TCS400 CAD colors'	Use this setting to get a print with colors similar to the Océ TCS400 printer.
'Simulated non-Océ printer: vivid colors'*	Use this setting to get a print with colors similar to a non-Océ printer that prints vivid colors.
'Simulated non-Océ printer: match screen colors'*	Use this setting to get a print with colors similar to a non-Océ printer that prints match screen colors.

'Color feel'	Description
'Simulated non-Océ printer: no color correction'	Use this setting to get a print with colors similar to a non-Océ printer that prints without color correction.
'None, managed by application'*	Use this setting if your color management is completely done by the application that generated the print file. Disadvantages of this color feel setting are: ■ - blue will be purplish (like in most other inkjet printers) ■ - raster-file information (like photos) will look dull and dark.

* The output quality of a simulated non-Océ printer setting depends on the selected input profile for simulated printers. Make sure you use the correct input profile for simulated printers.
Océ ColorWave™ 600 path: **Support - Input profiles**.

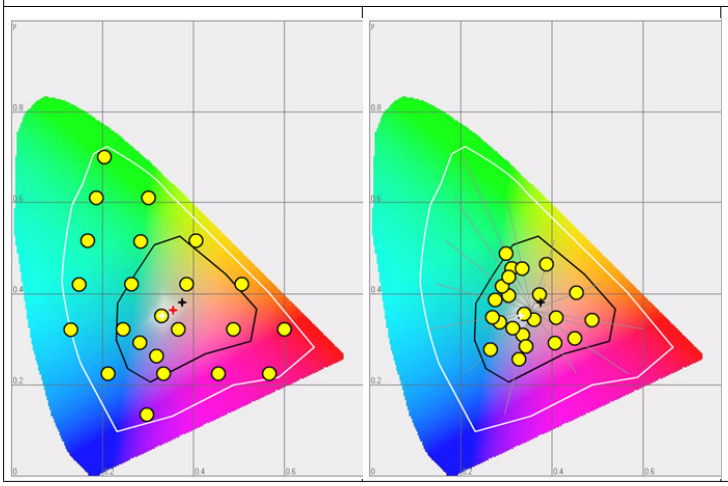
What is Rendering intents?

Introduction

Normally the color space of a print file is larger than the Océ ColorWave™ 600 color space. In other words, the input color space is larger than the output color space. Consequently some of the defined input colors will be outside the Océ ColorWave™ 600 color space. These "out-of-gamut colors" are called a gamut mismatch.
When a gamut mismatch occurs, the rendering intents setting decides what qualities of the image it should prioritize. The rendering intents setting preserves one property of color at the expense of other color properties.

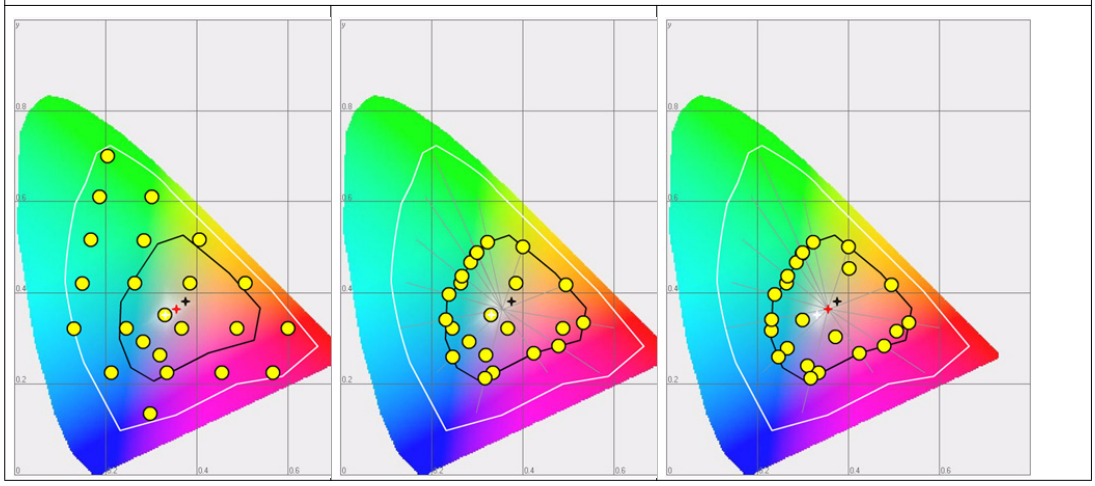
Rendering intents: 'Perceptual (photo)'

This setting optimizes the output to produce best results for photos, artwork, GIS or images.
Perceptual rendering tries to preserve some relationship between out of gamut colors, even if this results in inaccuracies for in-gamut colors.



Rendering intents: 'Saturation (business graphics)'

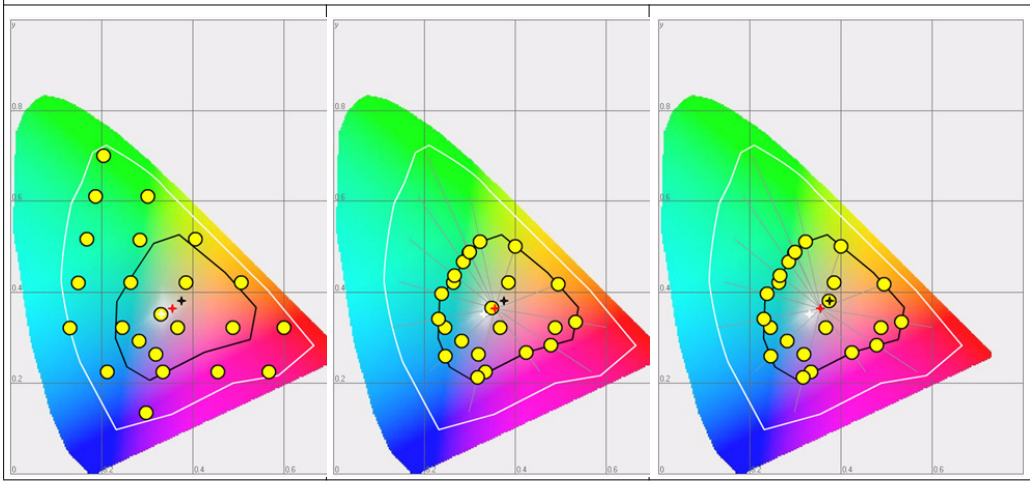
This setting optimizes the output of bright, saturated colors.
Saturation rendering intent preserves saturated colors, and is advised if you try to keep color purity in computer graphics. Pure saturated colors in the original RGB device will still be saturated colors in the output color space, even if this results in relatively more extreme colors.
Saturation rendering intent is not advised for photos, because this setting does not try to keep color realism. The color saturation can come at the expense of changes in hue and lightness, which is normally an unacceptable trade-off for photo reproduction.
You can also use saturation rendering intent to prevent visible dithering if you must print computer graphics on an inkjet printer. It is not possible to prevent all dithering, because inkjet printers never have an ink to match every color. Saturation rendering intent can minimize dithering if the color is very close to pure.



Rendering intents: 'Relative colorimetric'

Relative colorimetric keeps an almost exact relationship between in gamut colors, even if this clips out of gamut colors.
The relative colorimetric rendering method replaces the colors to align the old white point (the location of the most pure and light white in a color space) with the new white point and to keep the relative positions of the colors. The Relative colorimetric rendering intent is advised for logos, spot colors or PowerPoint presentations, but the loss of contrast can be a problem with photos and images.

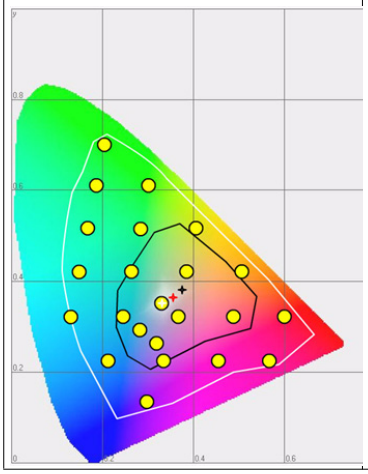
Note: *If you generate a color scan-to-file job in TIFF format on an Océ TCS400, an Océ TCS500 or an Océ TDS450, 'Perceptual (photo)' gives the best result.*

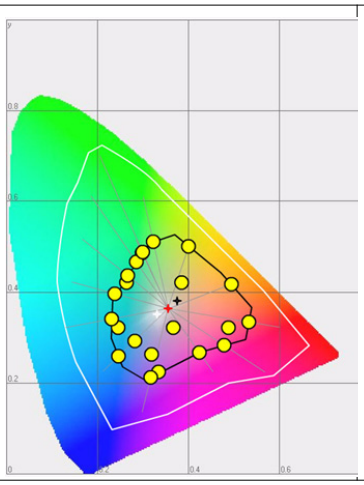


Rendering intents: 'Absolute colorimetric'

Absolute colorimetric is similar to relative colorimetric, but uses a different method to handle the white point.
Absolute and relative colorimetric both keep gamut colors and clip those out of gamut, but absolute colorimetric also keeps the white point.
Absolute colorimetric is advised for "proofing" applications, that require a good color match, but also emulation of paper white. As a result of that, white areas can become yellowish, because the printer tries to emulate the whitepoint of the input profile.
This setting provides the highest accuracy in rendering RGB colors into CMYK colors, including rendering the source's white.

Note: *You can see the minor level of blue of the monitor background as a bluish white in the lightest tones of the printed output. A minor yellow tone can occur in the white tones of a PDF/TIFF original or an HP-GL type document.*





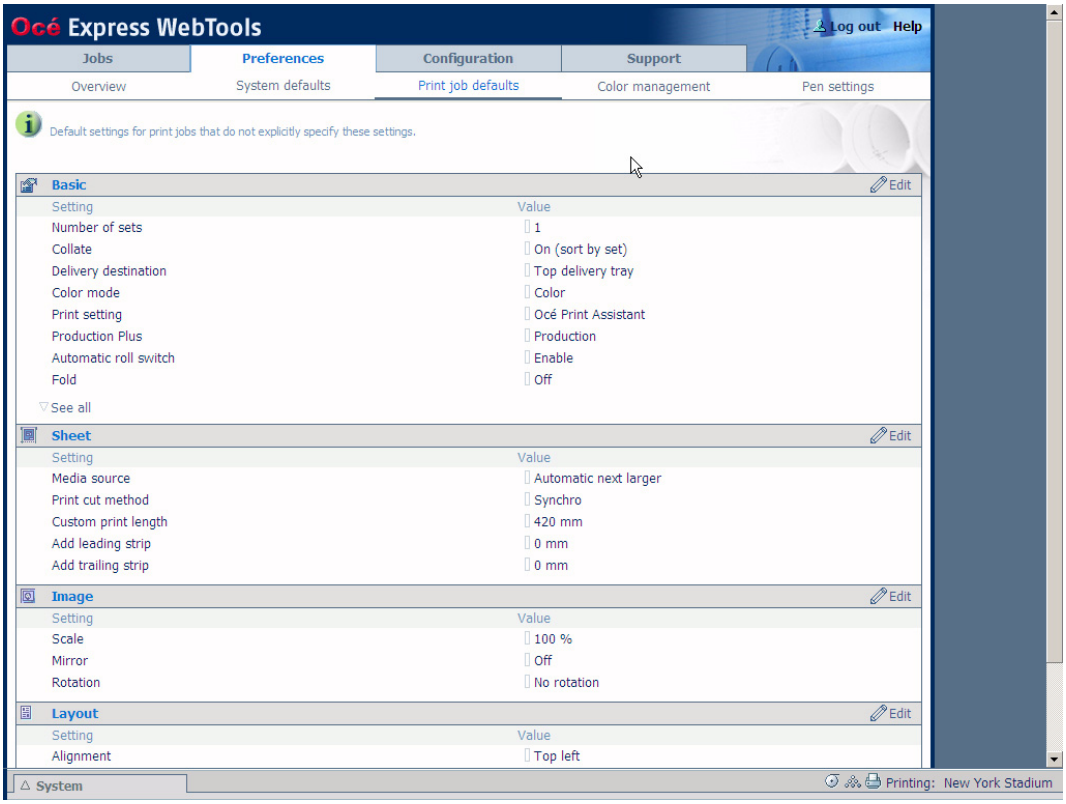
What is an output profile?

The output profile is used to adjust the converted CMYK color space, depending on the output device (via the Océ ColorWave™ 600 Printer Calibration Module) and the media type you select (via the OMP Océ Media Profile file).
The output profile is applied automatically, but it is important that you load the correct media on the Océ ColorWave™ 600 and that the correct OMP-file is available on the 'Océ PowerM controller' or the 'Océ PowerM Plus controller '. *Manage the media profiles* on page *190*, *Download a media profile from the Océ web site* on page *192*, *Upload a media profile* on page *194*.

'Color management' settings in the Océ Express WebTools

Depending on the type of file you want to print, the Océ ColorWave™ 600 offers different color-information conversions. You can select the 'Color management' settings, that give the best results for the color-information conversion.
The tables below give an overview of the possible 'Color management' settings per file type ('For HP-GL, HP-GL/2 and HP-RTL files', 'For TIFF and JPEG files' or 'For PostScript and PDF files'). The pre-defined default settings in the Océ Express WebTools are emphasized.
The Océ Windows® Printer Driver and the Océ Publisher Select job submission application offer the same 'Color management' settings, but now file type independent.

Note: *It is only important to know what the file type of your print job is, if you want to use or must use the 'Color management' settings defined in the Océ Express WebTools. If you define the 'Color management' settings in your Océ Windows® Printer Driver or the Océ Publisher Select job submission application the 'Color management' settings are automatically assigned to the correct file type (the 'Color management' settings defined in the Océ Express WebTools are overruled).*



Color management settings and job submission

The way in which you submit a print job to the printer defines in most cases the file type of the document. If you use a printer driver, the original file type will be changed by the driver into a standard file type. The printer checks the file type of the document and based on the file type the printer applies the default color management settings of the Océ Express WebTools.

If you use FTP or LPR to send a job to the printer, the file type is not changed. The file is sent to the printer the way in which it was saved in the application you used to create or edit the file. If there is no embedded color profile present in the document, the printer checks the file type of the document and based on the file type the printer applies the default color management settings of the Océ Express WebTools.
If you want to use the embedded color profile for your print job (for example, embedded profile created with Adobe® Illustrator) you can choose between 2 options. You can use the WPD driver where you can indicate to follow the color settings managed by the application. You can also send the job via FTP or LPR. If the controller can recognize the embedded color profile, it will be applied. If the embedded color profile cannot be recognized, the controller applies the default color settings managed by the Océ Express WebTools.

The table below gives an overview of the relation between the job submission method, the file type and the color management settings

Job submission method	File type	Color management settings
Océ Windows® Printer Driver	The driver converts all files into HP-GL/2	You can define the color settings in: ■ The printer driver. ■ The Océ Express WebTools, by choosing the printer's default in the driver settings. ■ The application, by choosing the setting 'None, managed by application' in the driver
LPR/FTP	The documents are sent to the printer without being converted to another file type. The controller recognizes the following file types. ■ Vector: HP-GL, HP-GL/2, CalComp ■ Raster: TIFF, JPEG, CALS, NIRS, C4 ■ PostScript/PDF	Depending on the file type of the job, the default settings of one of the 3 file type paths is used in the Océ Express WebTools when there is no embedded color profile present in the file. Use the Océ Express WebTools to adjust the color settings for the print job.

Priorities in the color management settings

When you want to print a document in color on the Océ ColorWave™ 600 the color information that is defined in the files can be set in the different steps of the process from document creation to document production. In order to get the best output results you need to be aware of these methods to define the color information of the document you want to print.

The color information that you can create in the various steps described below each have a different priority. When you create a document that you want to print in color, the priority of the color settings is also illustrated in the table below.

Stages in the process of making a color print	Priority
Document The color settings are already embedded in the document (only applicable for PDF files).	1
Application The color settings can be defined in the application that you use to create or edit the document. You can set the following parameters in the application. ■ Set color or black and white. ■ Define the input profile, RGB input data or CMYK input data. *What is an input profile / standardization?* on page *230* (you cannot correct this for a PDF file) ■ Define the rendering intent. *Introduction* on page *236* **Note:** *You can only overrule the color settings of a PDF file with an Adobe® application such Adobe Acrobat® for example.*	2
Printer drivers The Océ Windows® Printer Driver offers color management settings. You can select the required color management settings in the driver or you can indicate to use the printer's default settings. Make sure the color settings do not conflict with the color settings that may be set in another stage of the process.	3
The Océ Express WebTools offers 3 default paths for color settings, based on the file type of the document: ■ 'For HP-GL, HP-GL/2 and HP-RTL files' *Default settings 'For HP-GL, HP-GL/2 and HP-RTL files'* on page *248* ■ 'For TIFF and JPEG files' , *Default settings 'For TIFF and JPEG files' (RGB input)* on page *249* *Default settings 'For TIFF and JPEG files' (CMYK input)* on page *250* ■ 'For PostScript and PDF files' *Default settings 'For PostScript and PDF files' (RGB input)* on page *251* *Default settings 'For PostScript and PDF files' (CMYK input)* on page *252* These settings are applied when the controller cannot recognize or detect any color settings for the file to be printed.	4

Note: *It is advised to align the color management settings that have been made in the different stages before you start the print job. The color space of the document and the settings for the print have to match. This means that if you have set the color settings in more than 1 stage of the process described above, you must check if the color settings do not counteract with each other.*

Default settings 'For HP-GL, HP-GL/2 and HP-RTL files'

The default settings are emphasized.

<table>
<tr><th colspan="2">Input profile</th><th colspan="2">Color Management settings</th></tr>
<tr><th>Input data</th><th>Standardization</th><th>'Color feel'</th><th>Rendering intents</th></tr>
<tr><td>RGB</td><td>■ 'sRGB'
■ 'AdobeRGB'</td><td colspan="2">'Océ CAD colors'</td></tr>
<tr><td rowspan="5">CMYK</td><td rowspan="5">■ 'Euroscale coated'
■ 'Euroscale uncoated'
■ 'US Web coated (SWOP)'
■ 'US Web uncoated'</td><td>'Océ enhanced colors'</td><td>■ 'Perceptual (photo)'
■ 'Saturation (business graphics)'
■ 'Absolute colorimetric'
■ 'Relative colorimetric'</td></tr>
<tr><td colspan="2">'Simulated Océ TCS400 CAD colors'</td></tr>
<tr><td colspan="2">'Simulated non-Océ printer: vivid colors'*</td></tr>
<tr><td colspan="2">'Simulated non-Océ printer: match screen colors'*</td></tr>
<tr><td colspan="2">'Simulated non-Océ printer: no color correction'*</td></tr>
<tr><td colspan="2">'None, managed by application'</td></tr>
</table>

* The output quality of a simulated non-Océ printer setting depends on the selected input profile for simulated printers. Make sure you use the correct input profile for simulated printers.
Océ ColorWave™ 600 path: **Support - Input profiles**.

Default settings 'For TIFF and JPEG files' (RGB input)

The default settings are emphasized.

<table>
<tr><th colspan="2">Input profile</th><th colspan="2">Color Management settings</th></tr>
<tr><th>Input data</th><th>Standardization</th><th>'Color feel'</th><th>Rendering intents</th></tr>
<tr><td>RGB</td><td>■ 'sRGB'
■ 'AdobeRGB'</td><td colspan="2">'Océ CAD colors'</td></tr>
<tr><td rowspan="6">CMYK</td><td rowspan="6">■ 'Euroscale coated'
■ 'Euroscale uncoated'
■ 'US Web coated (SWOP)'
■ 'US Web uncoated'</td><td>'Océ enhanced colors'</td><td>■ 'Perceptual (photo)'
■ 'Saturation (business graphics)'
■ 'Absolute colorimetric'
■ 'Relative colorimetric'</td></tr>
<tr><td colspan="2">'Simulated Océ TCS400 CAD colors'</td></tr>
<tr><td colspan="2">'Simulated non-Océ printer: vivid colors'*</td></tr>
<tr><td colspan="2">'Simulated non-Océ printer: match screen colors'*</td></tr>
<tr><td colspan="2">'Simulated non-Océ printer: no color correction'*</td></tr>
<tr><td colspan="2">'None, managed by application'</td></tr>
</table>

* The output quality of a simulated non-Océ printer setting depends on the selected input profile for simulated printers. Make sure you use the correct input profile for simulated printers.
Océ ColorWave™ 600 path: **Support - Input profiles**.

Default settings 'For TIFF and JPEG files' (CMYK input)

The default settings are emphasized.

Input profile		Color Management settings	
Input data	**Standardization**	**'Color feel'**	**Rendering intents**
RGB	■ 'sRGB' ■ 'AdobeRGB'	'Océ CAD colors'	
CMYK	■ **'Euroscale coated'** ■ 'Euroscale uncoated' ■ 'US Web coated (SWOP)' ■ 'US Web uncoated'	**'Océ enhanced colors'**	■ **'Perceptual (photo)'** ■ 'Saturation (business graphics)' ■ 'Absolute colorimetric' ■ 'Relative colorimetric'
		'Simulated Océ TCS400 CAD colors'	
		'Simulated non-Océ printer: vivid colors'*	
		'Simulated non-Océ printer: match screen colors'*	
		'Simulated non-Océ printer: no color correction'*	
		'None, managed by application'	

* The output quality of a simulated non-Océ printer setting depends on the selected input profile for simulated printers. Make sure you use the correct input profile for simulated printers.
Océ ColorWave™ 600 path: **Support - Input profiles**.

Default settings 'For PostScript and PDF files' (RGB input)

The default settings are emphasized.

<table>
<tr><th colspan="2">Input profile</th><th colspan="2">Color Management settings</th></tr>
<tr><th>Input data</th><th>Standardization</th><th>'Color feel'</th><th>Rendering intents</th></tr>
<tr><td>RGB</td><td>■ 'sRGB'
■ 'AdobeRGB'</td><td colspan="2">'Océ CAD colors'</td></tr>
<tr><td rowspan="6">CMYK</td><td rowspan="6">■ 'Euroscale coated'
■ 'Euroscale uncoated'
■ 'US Web coated (SWOP)'
■ 'US Web uncoated'</td><td>'Océ enhanced colors'</td><td>■ 'Perceptual (photo)'
■ 'Saturation (business graphics)'
■ 'Absolute colorimetric'
■ 'Relative colorimetric'</td></tr>
<tr><td colspan="2">'Simulated Océ TCS400 CAD colors'</td></tr>
<tr><td colspan="2">'Simulated non-Océ printer: vivid colors'*</td></tr>
<tr><td colspan="2">'Simulated non-Océ printer: match screen colors'*</td></tr>
<tr><td colspan="2">'Simulated non-Océ printer: no color correction'*</td></tr>
<tr><td colspan="2">'None, managed by application'</td></tr>
</table>

* The output quality of a simulated non-Océ printer setting depends on the selected input profile for simulated printers. Make sure you use the correct input profile for simulated printers.
Océ ColorWave™ 600 path: **Support - Input profiles**.

Default settings 'For PostScript and PDF files' (CMYK input)

The default settings are emphasized.

Input profile		Color Management settings	
Input data	**Standardization**	**'Color feel'**	**Rendering intents**
RGB	■ 'sRGB' ■ 'AdobeRGB'	'Océ CAD colors'	
CMYK	■ **'Euroscale coated'** ■ 'Euroscale uncoated' ■ 'US Web coated (SWOP)' ■ 'US Web uncoated'	**'Océ enhanced colors'**	■ **'Perceptual (photo)'** ■ 'Saturation (business graphics)' ■ 'Absolute colorimetric' ■ 'Relative colorimetric'
		'Simulated Océ TCS400 CAD colors'	
		'Simulated non-Océ printer: vivid colors'*	
		'Simulated non-Océ printer: match screen colors'*	
		'Simulated non-Océ printer: no color correction'*	
		'None, managed by application'	

* The output quality of a simulated non-Océ printer setting depends on the selected input profile for simulated printers. Make sure you use the correct input profile for simulated printers.
Océ ColorWave™ 600 path: **Support - Input profiles**.

Print examples

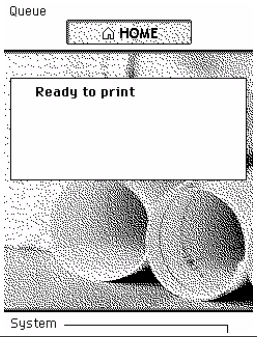
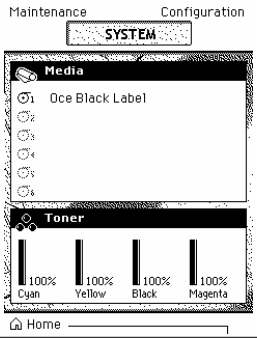
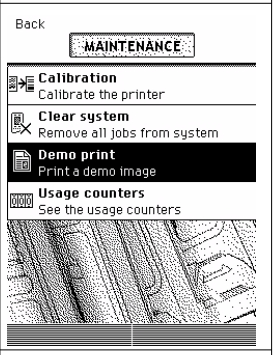
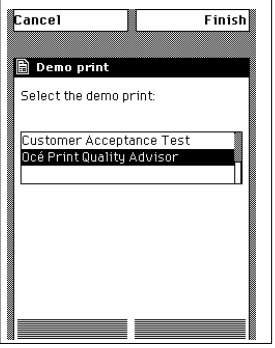
Your Océ Print Quality Advisor

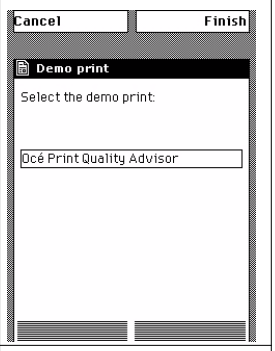
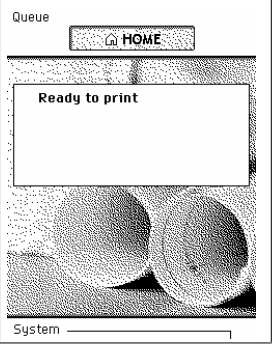
Introduction

Get the best out of your Océ ColorWave™ 600!

Your Océ Print Quality Advisor is available as a demo print on the printer operator panel. The Océ Print Quality Advisor gives an overview of different types of print files and what print settings and color management settings give the best output result for these print files.

How to print the Océ Print Quality Advisor

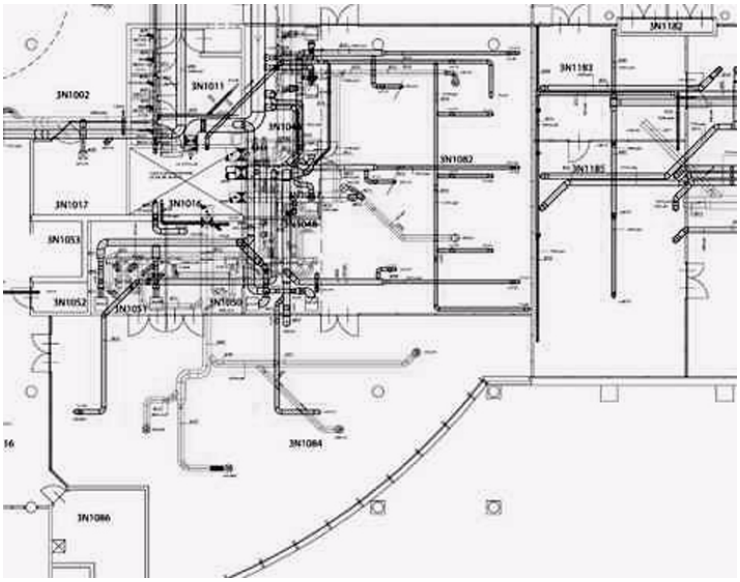
Step	Action	Remarks
1	From the 'Home' screen on the printer operator panel select the 'System' tab.	
2	Select the 'Maintenance' tab with the upper left softkey.	
3	Use the 'Scroll wheel' to select 'Demo print' and confirm with the 'Confirmation key' (above the 'Scroll wheel').	
4	Use the 'Scroll wheel' to select Océ Print Quality Advisor and confirm with the 'Confirmation key' (above the 'Scroll wheel').	

Step	Action	Remarks
5	Press 'Finish' to print the Océ Print Quality Advisor.	
6	Select ' Back' and 'Home' to revert to the 'Home' screen.	

Result

The Océ Print Quality Advisor is printed on A1 format.

2D CAD monochrome

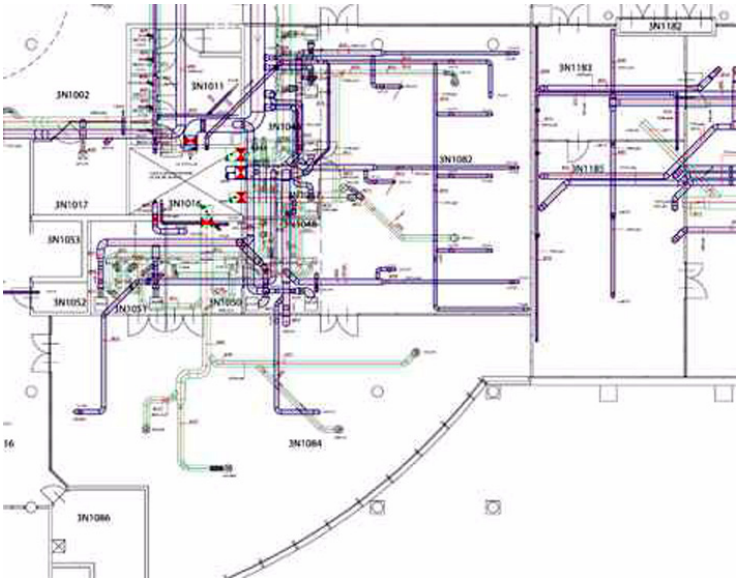


Océ Print Quality Advisor

Note: *For optimal print quality please verify that the name of the loaded media corresponds with the media name on the printer operator panel.*

Setting	Advised value	Advised rendering intent value
'Color mode'	'Grayscale'	
'Print setting'	'Océ Print Assistant'	
'Color feel'	not applicable	not applicable

2D CAD color

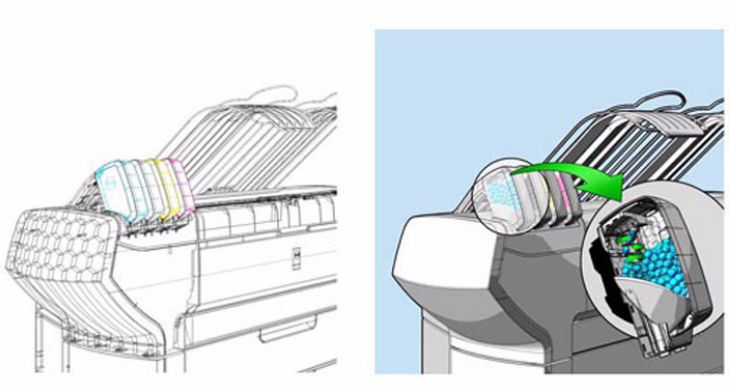


Océ Print Quality Advisor

Note: *For optimal print quality please verify that the name of the loaded media corresponds with the media name on the printer operator panel.*

Setting	Advised value	Advised rendering intent value
'Color mode'	'Color'	
'Print setting'	'Océ Print Assistant'	
'Color feel'	'Océ CAD colors'	not applicable

2D CAD and rendering

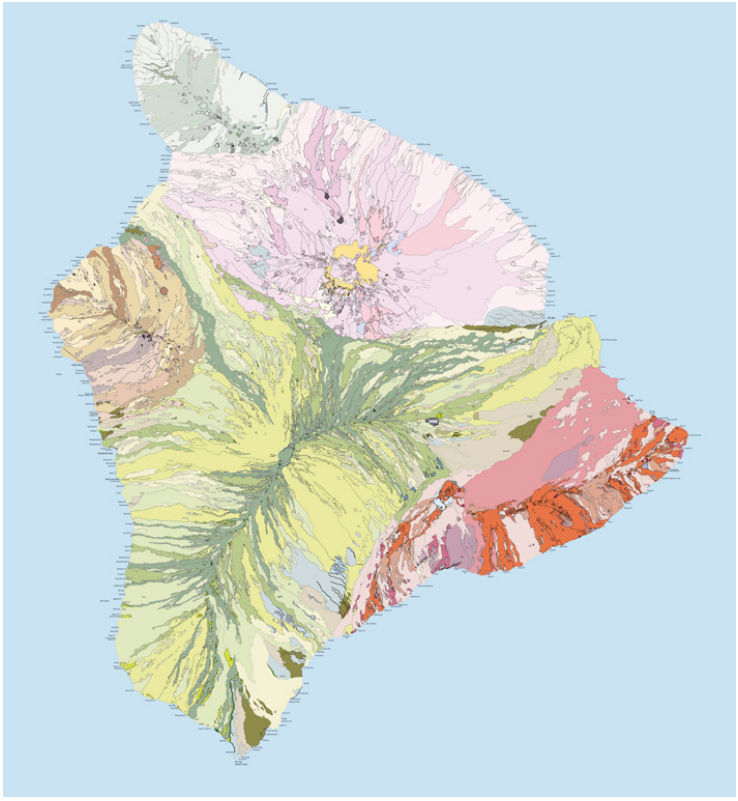


Océ Print Quality Advisor

Note: *For optimal print quality please verify that the name of the loaded media corresponds with the media name on the printer operator panel.*

Setting	Advised value	Advised rendering intent value
'Color mode'	'Color'	
'Print setting'	'Océ Print Assistant'	
'Color feel'	'Océ CAD colors'	not applicable
	or	
	'Océ enhanced colors'	'Relative colorimetric'

Map



Océ Print Quality Advisor

Note: *For optimal print quality please verify that the name of the loaded media corresponds with the media name on the printer operator panel.*

Setting	Advised value	Advised rendering intent value
'Color mode'	'Color'	
'Print setting'	'Océ Print Assistant'	
'Color feel'	'Océ enhanced colors'	'Relative colorimetric'

Logo and business colors

Océ Print Quality Advisor

Note: *For optimal print quality please verify that the name of the loaded media corresponds with the media name on the printer operator panel.*

Setting	Advised value	Advised rendering intent value
'Color mode'	'Color'	
'Print setting'	'Océ Print Assistant'	
'Color feel'	'Océ enhanced colors'	'Relative colorimetric'

Point of sales graphics



Océ Print Quality Advisor

Note: *For optimal print quality please verify that the name of the loaded media corresponds with the media name on the printer operator panel.*

Setting	Advised value	Advised rendering intent value
'Color mode'	'Color'	
'Print setting'	'Océ Print Assistant'	
'Color feel'	'Océ enhanced colors'	'Relative colorimetric'
	or	
	'Océ CAD colors'	not applicable

Consumer graphics



Océ Print Quality Advisor

Note: *For optimal print quality please verify that the name of the loaded media corresponds with the media name on the printer operator panel.*

Setting	Advised value	Advised rendering intent value
'Color mode'	'Color'	
'Print setting'	'Océ Print Assistant'	
'Color feel'	'Océ enhanced colors'	'Perceptual (photo)' (for photo's)
		or
		'Relative colorimetric' (for graphics)

Photo



Océ Print Quality Advisor

Note: *For optimal print quality please verify that the name of the loaded media corresponds with the media name on the printer operator panel.*

Setting	Advised value	Advised rendering intent value
'Color mode'	'Color'	
'Print setting'	'Océ Print Assistant'	
'Color feel'	'Océ enhanced colors'	'Perceptual (photo)'

Photo realistic impression

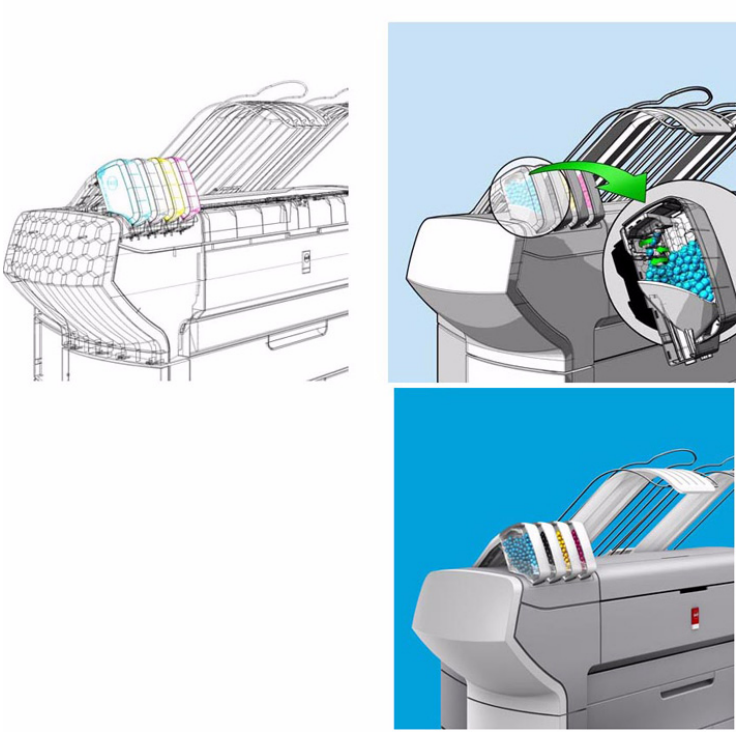


Océ Print Quality Advisor

Note: *For optimal print quality please verify that the name of the loaded media corresponds with the media name on the printer operator panel.*

Setting	Advised value	Advised rendering intent value
'Color mode'	'Color'	
'Print setting'	'Océ Print Assistant'	
'Color feel'	'Océ enhanced colors'	'Perceptual (photo)'

Mixed content



Océ Print Quality Advisor

Note: *For optimal print quality please verify that the name of the loaded media corresponds with the media name on the printer operator panel.*

Setting	Advised value	Advised rendering intent value
'Color mode'	'Color'	
'Print setting'	'Océ Print Assistant'	
'Color feel'	'Océ CAD colors'	not applicable
	or	
	'Océ enhanced colors'	'Relative colorimetric'

Business graphics



Océ Print Quality Advisor

Note: *For optimal print quality please verify that the name of the loaded media corresponds with the media name on the printer operator panel.*

Setting	Advised value	Advised rendering intent value
'Color mode'	'Color'	
'Print setting'	'Océ Print Assistant'	
'Color feel'	'Océ enhanced colors'	'Relative colorimetric'

3D CAD



Océ Print Quality Advisor

Note: *For optimal print quality please verify that the name of the loaded media corresponds with the media name on the printer operator panel.*

Setting	Advised value	Advised rendering intent value
'Color mode'	'Color'	
'Print setting'	'Océ Print Assistant'	
'Color feel'	'Océ enhanced colors'	'Relative colorimetric'
		or
		'Perceptual (photo)'

Check, analyze and solve output quality problems of print jobs

Banding across the print with differences in color and gloss

Description of the problem

Your print contains a banding across the media with a difference in color and gloss. The intensity of the banding can vary from left to right or vice versa. Banding mostly occurs in the Production mode.
You can perform an additional check to identify the problem. Simply measure the width of the banding. Each print mode has a typical banding width. The following table describes the connection between the print modes and the banding widths.

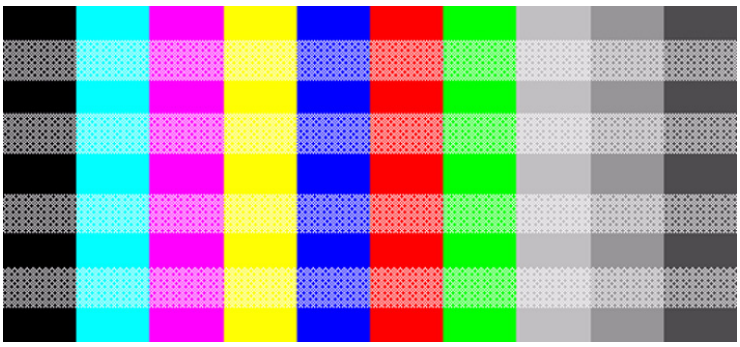
[114] The connection between the print modes and the width of the banding

Print mode	Typical width of the banding
Economy mode	42 mm
Production mode	21 mm
Presentation mode	17 mm

Cause of the problem

- The paper steps are not optimal.
- There are time differences at the turning point of the carriage unit.
  At one side, the time between 2 swaths is short (short turn). At the other side, the crystallisation time between 2 swaths is long (long turn). Differences in the crystallisation time of the toner can cause the banding patterns.

Illustration



[287] Example of banding across the print

How to solve the problem

1. Check if the media name on the 'Printer operator panel' matches the media that you currently use.
2. Activate the 'Production Plus ' setting for the Production mode or switch from the 'Production' mode to the 'Presentation' mode.

Note: *You can only activate the 'Production Plus ' setting via the Océ Express WebTools.*

3. Print the Customer Acceptance Test demo print.
   This test print contains 10 colored bars.
4. Check if the test print shows banding.
5. If yes, calibrate the media via the printer operator panel (Maintenance - Calibrate media).
6. Reprint the Customer Acceptance Test demo print.
7. If the colored bars of the Customer Acceptance Test demo print still show banding you must contact the Océ Helpdesk.

Horizontal, wavy lines across your print

Description of the problem

Your print contains horizontal, wavy lines across the media.

These light or dark lines
- appear in all colors
- can vary in thickness from left to right or vice versa
- can become lighter or darker across the media.

You can perform an additional check to identify the problem if you measure the distance between the wavy lines. Each print mode has a typical distance between the wavy lines. The following table describes the relation between the print modes and the distances.

[115] The relation between the print modes and the distances between the lines

Print mode	Typical distance between the lines
Economy mode	42 mm
Production mode	21.5 mm
Presentation mode	17.5 mm

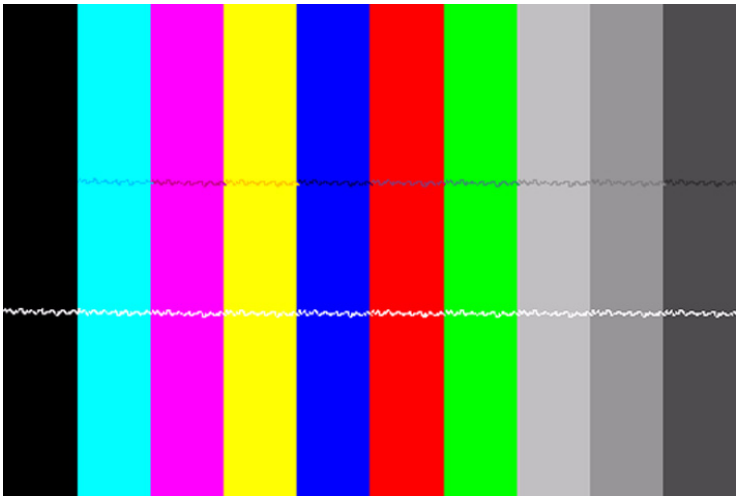
Cause of the problem

The paper steps are not correct. The following table describes the relation between the paper steps and the lines on your print.

[116] The relation between the paper steps and the lines

When	Then
The paper steps are too big	The print will show light lines
The paper steps are too small	The print will show dark lines

Illustration



[288] Example of horizontal, wavy lines across the Customer Acceptance Test

How to solve the problem

1. Check if the correct media setting is used.
2. Check if the media name on the printer operator panel matches the media that you currently use.
3. Print the Customer Acceptance Test.
   This test print contains 10 colored bars.
4. Check if the test print shows white or dark lines across all colors. The lines usually appear at equal distances from each other.
5. If yes, calibrate the media via the printer operator panel (Maintenance - Calibrate media).
6. Reprint the Customer Acceptance Test demo print.
7. If the colored bars of the Customer Acceptance Test demo print still show wavy lines you must contact the Océ Helpdesk.

Thin horizontal, colored or white lines across your print

Description of the problem

Your print has one of the following problems.

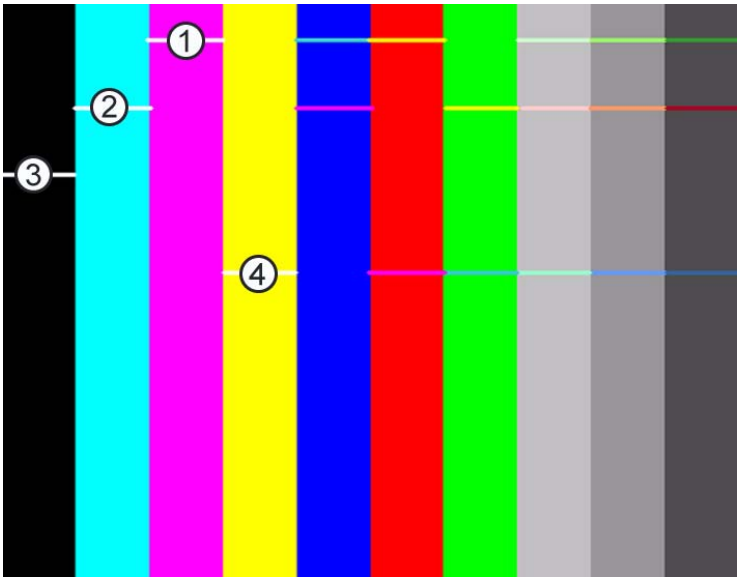
- Thin horizontal, colored lines in the multiple color areas
- Thin horizontal, white lines in the CMYK mono color areas.

The thin lines are also visible as colored lines in RGB areas and gray areas.

Cause of the problem

During a swath of the 'Imaging devices', a nozzle drops out or a poor functioning nozzle misdirects the droplets. It is possible that the system compensates for the nozzle dropout during the next swath.

Illustration



[289] Thin, colored lines in the multiple color areas'

[117] Nozzle dropout

Number	Nozzle dropout
1	Magenta
2	Cyan
3	Black
4	Yellow

How to solve the problem

1. Check if the system compensates for the nozzle dropout during the next swath.
2. If the system does not compensate for the nozzle dropout, you must print the Customer Acceptance Test.
3. Check the colored bars of the test print.

Note: *Either check the test print on the second half of the print or reprint the Customer Acceptance Test and check the second print. When the colored bars are OK, the system functions correctly. However, it is always advised to switch to a higher print mode.*

4. Select a higher print mode, even when you use the 'Océ Print Assistant'.
5. Try to print on another media.
6. If the colored bars of the Customer Acceptance Test demo print still show lines you must contact the Océ Helpdesk.

Calibrate the Océ ColorWave™ 600 printer

When to do

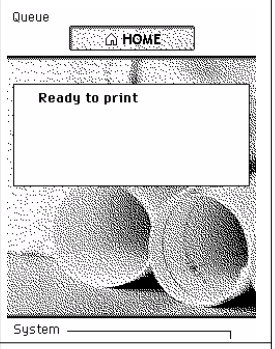
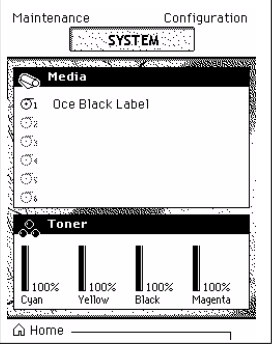
Note: *Only roll position 1 can be used for calibrations.*

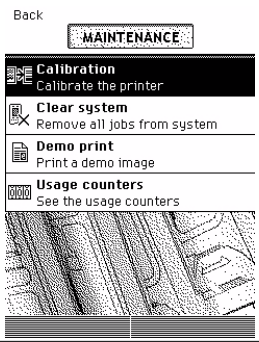
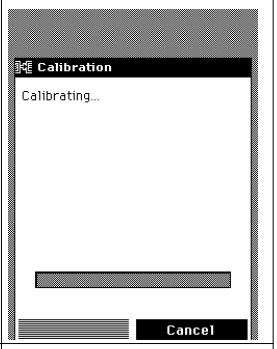
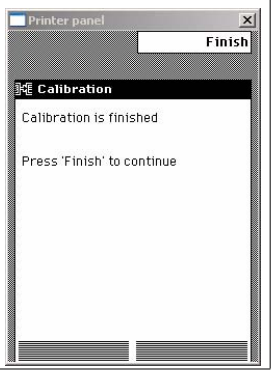
Note: *Use only Océ 'Media' for reliable calibrations.*

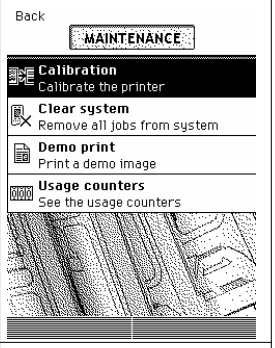
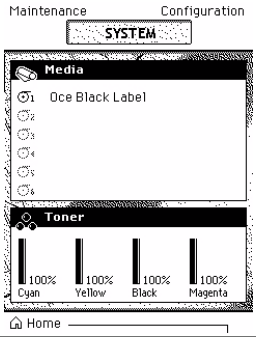
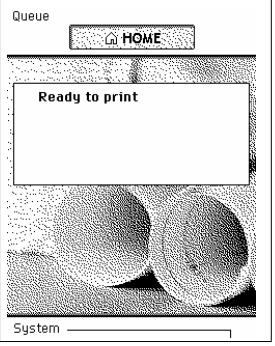
Note: *The printer will do the calibration automatically. You do not need to keep this printed calibration chart.*

Evaluate the Customer Acceptance Test print. If the print shows any output quality problems, you can use this calibration wizard to check if the Océ ColorWave™ 600 works properly.
The calibration will take a several minutes. The printed output is delivered at the rear side of the printer and lead through the slot below the 'Top back cover'.

How to calibrate the Océ ColorWave™ 600 printer

Step	Action	Remarks
1	From the 'Home' screen on the printer operator panel select the 'System' tab.	
2	Select the 'Maintenance' tab with the upper left softkey.	

Step	Action	Remarks
3	Use the 'Scroll wheel' to select 'Calibration' and confirm with the 'Confirmation key' (above the 'Scroll wheel').	
4	The wizard assists you to do a calibration. Press 'Next ' to start the calibration.	
5	Now you can select: ■ paper length calibration ■ full calibration Press 'Next ' to start the calibration.	
6	Press 'Finish' to continue. **Note:** *If the calibration failed, you will be informed immediately through an error-code on the 'Printer operator panel'.*	

Step	Action	Remarks
7	Select 'System'.	
8	Select 'Home' to return to the 'Home' screen.	
9	'Home' screen.	

Result

Evaluate the Customer Acceptance Test print. Check if the print does not show any of the following output quality problems:

- *Banding across the print with differences in color and gloss* on page *268*
- *Horizontal, wavy lines across your print* on page *270*
- *Thin horizontal, colored or white lines across your print* on page *272*

If no output quality problems occur, the installation procedure is finished and your Océ ColorWave™ 600 is ready for use.

Error codes

When to do



Note: *Error-codes are only displayed at the 'Printer operator panel'.*

Before or during the calibration, it is possible that the calibration failed. In that case, you will be informed immediately through an error code on the 'Printer operator panel'.

Overview error codes

Error-code	Action	Remarks
22917	Calibration not accepted:	Roll not loaded
22918	Calibration not accepted:	Roll too small
22919	Calibration not accepted:	Media type not suitable for installation calibrations
22920	Calibration not accepted:	Media type not suitable for Y-alignment
22921	Calibration not accepted:	Media type not suitable for paper step calibration
22922	Calibration not accepted:	External output not available for delivery
22923	Calibration not accepted:	Printer engine status is not standby or the folder (if configured) is offline or turned off
22924	Calibration failed:	Out of toner during calibrations
22925	Calibration failed:	Out of media during calibrations

Chapter 8
License management



Introduction to managing licenses

Introduction

The Océ applications and options are protected against unauthorized use. You need to activate the license to enable an application or option for use. The 'Support' - 'Licenses' tab in the Océ Express WebTools enables you to manage the licenses very easily.

This section describes the following.

- The basic concept of the licenses.
- How to manage the licenses.

The 'Licenses' tab in the Océ Express WebTools

Introduction

The 'Support' - 'Licenses' tab has the following possibilities.

Possibilities

- View the current active licenses
- Get the host id of the Océ system
- Save the active licenses
- Perform a license activation job.
  You can activate new licenses or saved licenses.

The basic workflow of 'Support' - 'Licenses' activation

Introduction

Before you can work with licenses, you must access the home page of the Océ Express WebTools. The following workflow describes per step when to use which possibility.

The workflow

1. View the current active licenses.
   You can make a list of new options you need and make a list of license numbers. Océ needs the list of new options and the license numbers to create a new license file.
2. Get the host id of the Océ system.
   Océ needs the host id of your Océ system to create a new license file.
3. Send the list of new options you need, the list of license numbers and the host id to Océ.
   Océ creates and delivers one or more new license files.
4. Create a back-up of the current active licenses if necessary.
   Save the current active licenses to do so.
5. Activate the licenses.
   Perform a license activation job to do so.
   The license activation job guides you through the following steps.
   - 1. Locate the license file
   - 2. Preview the new active licenses
   - 3. Accept the end user license agreement
   - 4. Finish the license activation job
   - 5. Restart the controller of the Océ system.

Note: *Perform the license activation job for each license file.*

Océ License Logic

Introduction

When you navigate to the 'Support' - 'Licenses' tab in the Océ Express WebTools, you get access to the Océ License Logic application. Before you can work with licenses, you must access the home page of the Océ. The following workflow describes per step when to use which possibility.

Overview OcéLicense Logic functionality

Function	Description
View the current active licenses.	You can make a list of new options you need and make a list of license numbers. Océ needs the list of new options and the license numbers to create a new license file.
Get the host id of the Océ system.	Océ needs the host id of your Océ system to create a new license file.
Send the list of new options you need, the list of license numbers and the host id to Océ.	Océ creates and delivers one or more new license files.
Create a back-up of the current active licenses if necessary.	Save the current active licenses to do so.
Activate the licenses.	Perform a license activation job to do so. The license activation job guides you through the following steps. ■ 1. Locate the license file ■ 2. Preview the new active licenses ■ 3. Accept the end user license agreement ■ 4. Finish the license activation job ■ 5. Restart the controller of the Océ system. **Note:** *Perform the license activation job for each license file.*

The structure of license files and licenses

Introduction

A license file contains a license per option of your Océ system. You can view the current active licenses with Océ 'Support' - 'Licenses' tab in the Océ Express WebTools. You can preview the new active licenses during the license activation job.

A license file contains licenses of the same license-type

A license file you receive from Océ contains only licenses of the same license-type. The following license types are possible.

- Demo
- Resale.

If you order demo and resale licenses, you receive 2 license files.

What you see per situation

What you see per situation depends on the license file you use.

[121] What you see depends on the situation (1 – 2)

Situation	What do you see
View the current active licenses.	You see the following. ■ All current active demo licenses ■ All current active resale licenses ■ All current other not active options.
Océ delivered one or more license files.	You see one of the following options. ■ A demo license file ■ A resale license file ■ A demo license file and a resale license file.
Preview the demo licenses during the license activation job if you use the license file with demo licenses.	You see the following. ■ All current active demo licenses ■ All new active demo licenses. **Note:** *You can not see the current active resale licenses at this point.*

[121] What you see depends on the situation (2 – 2)

Situation	What do you see
Preview the resale licenses during the license activation job if you use the license file that contains the resale licenses.	You see the following. ■ All current active resale licenses ■ All new active resale licenses. **Note:** *You can not see the current active demo licenses at this point.*
Preview the demo and resale licenses during the license activation job if you use the saved licenses of your back-up file.	You see the following. ■ All demo licenses that where active at the time you created the back-up file ■ All resale licenses that where active at the time you created the back-up file
The license activation job is finished.	You see the following. ■ All current active demo licenses ■ All new active demo licenses ■ All current active resale licenses ■ All new resale licenses ■ All current other not active options.

Check your licenses

About the licenses

The 'Support' - 'Licenses' tab in the Océ Express WebTools allows you to manage the licenses that are active on your system. A license is needed to activate certain functions on your Océ ColorWave™ 600.

You can use the 'Support' - 'Licenses' tab to perform the following tasks.

- View the current active licenses.
- Get the host id of the Océ system.
- Save the active licenses.
- Perform a license activation job.
  You can activate new licenses or saved licenses.

License information overview

Click 'Support' - 'Licenses' to view the available licenses.

You can view the license information for the following purposes.

- Check the active licenses on license state, license type and license duration.
- Check how long a demo license is valid.
- View all options available for your Océ system.
  The list of options depends on the type and version of the Océ system.
- Make a list of new options you need.
- Make a list of license numbers.

Information	Description
'Option'	This field displays the name of the option. For Océ ColorWave™ 600 the following licenses are available. ■ Océ ColorWave™ 600 base license. ■ Adobe® PostScript 3 / PDF. ■ Japanese PostScript fonts. ■ Simplified Chinese PostScript fonts. ■ Traditional Chinese PostScript fonts.
'State'	This field displays one of the following license states. ■ 'Authorized'. You are authorized to use the function. ■ 'Not authorized'. You are not authorized to use the function, you need to get a license for the function. ■ 'Expired'. Your license was a temporary license. You need to get a new license to use the function. ■ 'Update configuration'. This state indicates that there is a newer version of a function (e.g. more scan memory for scan-to-file).
'License type'	This field displays one of the following license types. ■ 'Resale'. ■ 'Demo'.
'Duration in days'	This field displays the time your license is valid.
'License number'	This field displays a license number.

Save the currently active licenses

Introduction

You can save all current active licenses of different licenses types into one single file.

Purpose

Save the current active licenses for the following purposes.

- Collect and save all active licenses of different types into one single file
- Create a back-up file before you start a license activation job.

When to do

Save the current active licenses before you start a license activation job or to save the current license situation.

How to save the license information

1. Click 'Support' - 'Licenses' to display the license information page.
2. You need to log on as System administrator or Power user if you are not logged on already.
3. Click the 'Save' button.
   The 'Save licenses' window opens.
4. Select a directory, enter the file name and click the 'Save' button to back-up the currently active licenses.

Result

All currently active resale and demo licenses are stored into one single file.

Get a new license

Introduction

The Océ applications and optional functions are protected against unauthorized use. You need to activate the license to enable an application or optional function for use. The 'Licenses' tab enables you to upload new license files to activate a license.

Purpose

- Upload a new license file.
- Extend the existing license on your Océ ColorWave™ 600.

Note: *After the license is uploaded you must restart your system to activate the license file.*

How to get a new license file

1. Click 'Support' - 'Licenses' to display the license information page.
2. The login window appears. Log on as System administrator or Power user.
3. Click the host id hyperlink to display the host id information.
4. Copy the id and send the host id information to your Océ representative together with a list of options that you require.
5. After receiving the license file(s), store the file(s) on the network.

Attention: It is advised to store the license information of the currently active license files in a back-up file before you activate a new license file. Use the 'Save' button to store the current license files information.

Upload a new license

1. Click 'Activate' to open a browser window to search for the license file on the network.
2. Log on as System administrator or Power user.
3. Browse the network and select the license file.
4. Click 'Ok' to start the activation of the license file. A message is displayed when the process is completed.
5. Restart the system to activate the changes.

Result

- If you have updated an expired license, the new license file overwrites the previous license file.
- If you have uploaded a new license, the license state in the overview is changed from 'Not authorized' to 'Authorized'.

Appendix A
Specifications of the Océ ColorWave™ 600

Specifications 'Océ PowerM controller'/'Océ PowerM Plus controller '

'Océ PowerM controller' hardware

Topic		'Océ PowerM controller' (standard embedded controller)	'Océ PowerM Plus controller ' (high-end embedded controller)
Hardware	Processor	Celeron D 440 (Conroe) 2.0 GHz	E6400 2.13 GHz Core 2 Duo
	Memory	DRAM 1 Gb	DRAM 2Gb
	Hard Disk	1 x 80 Gb	1 x 160 Gb + 1 x 320 Gb
Hard Disk configuration	Spool	40 Gb	280 Gb
	Ripped files	30 Gb	80 Gb
Best fit		Suited for a printing environment with regular / average files 70% of files ripped faster than printing speed.	Suited for a Job printing environment, lowers the load on the server, handles complex files / rotation with speed.
Long plots		15 m	50 m
Number of plots in queue[1] (Stored on disk)		100 m^2	1000 m^2
Reprint Memory (Ripped on disk)		100 m^2	200 m^2
Complex files			+ 20% faster
Rotation / Scaling			20 - 50% faster

[1]: For an average file size of 100 Mb per A0.

Platform	Océ controller with real-time OS
Standard interface	10/100/1000Base-T with RJ45
Network protocols	TCP/IP, FTP, LPD
Applicable software	'Océ PowerM controller'® software

'Océ PowerM controller' software

The Océ PowerM controller software consists of a basic module and a print module.

[125] Basic module

Basic functions	File spooling on the controller. Concurrent receiving, processing and printing of digital jobs.
Basic application	'Océ Express WebTools' ■ Media manager ■ Licenses ■ Queue Manager

[126] Print module (1 – 2)

Print processing technology	'Océ CrystalPoint™' technology.
Number of prints	1 - 999 Set memory: send once, process once, print many
Roll selection and switching	■ Manual ■ Automatic
Print manipulation	■ Rotation ■ Scaling ■ Positioning ■ Pen management ■ Trailing strip adjustment; add up to 400 mm
Color modes	■ Grayscale ■ Color
Quality modes	■ *Set the 'Print setting'* on page *219*

[126] Print module (2 – 2)

Color management	Supported on the controller (Océ Express WebTools). 'Color feel' ■ 'Océ CAD colors' ■ 'Océ enhanced colors' ■ Simulated printer (simulation of Océ and non- Océ printers) ■ 'None, managed by application' 'Enhanced colors: RGB input data' ■ 'sRGB' ■ 'Adobe RGB' 'Enhanced colors: CMYK input data' ■ 'Euroscale coated' ■ 'Euroscale uncoated' ■ 'US web coated (SWOP)' ■ 'US web uncoated'
Language sensing	Automatic Language Sensing (ALS)
Standard file formats	■ Vector: HP-GL, HP-GL/2, CalComp ■ Raster: HP-RTL, TIFF 6.0, NIFF, CALS-I, NIRS, C4, ASCII
Cut length	■ Standard cut ■ Synchro cut ■ Custom cut
Optional	Adobe® PostScript 3™ PDF printing

Specifications Océ ColorWave™ 600 printer

Technology	'Océ CrystalPoint™' technology. Océ own developed 'Imaging devices' and 'Océ TonerPearls™'. Instant dry print technology.
'Imaging carriage' and 'Imaging devices' [CMYK]	Carriage that contains the 8 imaging devices. ■ 2 Cyan 'Imaging devices' ■ 2 Magenta 'Imaging devices' ■ 2 Yellow 'Imaging devices' ■ 2 Black 'Imaging devices'
'Toner cartridge' and 'Océ TonerPearls™'	'Toner cartridge' that contains 500 grams disposable 'Océ TonerPearls™'. ■ Océ developed ■ 500 grams CMYK cartridges ■ Closed Toner Feeding Station ■ Re-fill while printing
'Océ TonerPearls™' level monitoring	'Océ TonerPearls™' indication on the printer operator panel. Out of 'Océ TonerPearls™' signaling. **Note:** *Refillable during printing*
Print modes	■ 'Economy' ■ 'Production' ■ 'Presentation'
Print speed	'Economy' ■ Print speed around half a minute per A0 (portrait) 'Production' ■ Print speed around one minute per A0 (portrait) 'Presentation' ■ Print speed around 3 minutes per A0 (portrait).
Maximum productivity	'Economy' ■ Print speed around half a minute per A0 (portrait).
'Océ Print Assistant'	The Océ ColorWave™ 600 automatically selects the print setting ('Economy', 'Production' or 'Presentation') that best fits the file with respect to the file content based on coverage. A 'Key operator' can use the 'Océ Print Assistant Slider' to fine-tune the 'Océ Print Assistant' to optimize further speed and quality to a customer's personal needs.

Demofiles	The system will standard have 3 demofiles on the 'Océ PowerM controller'. One for 'Economy', one for 'Production' and one for 'Presentation'. The files are designed to show both quality of output in the different print modes as well as give a clear signal as to the applications a customer can print with that mode.
Minimum pen thickness	0.012 mm

<table>
<tr><td>Media sources / ergonomics</td><td>Multiple front loadable rolls.
Multi-roll media feeding. 1 - 6 rolls (Free configurable).
 

[299] Media drawer that contains the media roll 1 and/or 2.
<table>
<tr><td>Roll</td><td>Maximum load weight per position</td><td>Roll</td><td>Maximum load weight per position</td></tr>
<tr><td>1</td><td>20 kg</td><td>2</td><td>10 kg</td></tr>
</table>


[300] Media drawer that contains the media roll 3 and/or 4.
<table>
<tr><td>Roll</td><td>Maximum load weight per position</td><td>Roll</td><td>Maximum load weight per position</td></tr>
<tr><td>3</td><td>10 kg</td><td>4</td><td>5 kg</td></tr>
</table>


[301] Media drawer that contains the media roll 5 and/or 6.
<table>
<tr><td>Roll</td><td>Maximum load weight per position</td><td>Roll</td><td>Maximum load weight per position</td></tr>
<tr><td>5</td><td>10 kg</td><td>6</td><td>5 kg</td></tr>
</table></td></tr>
<tr><td>Media core diameter</td><td>2" and 3"</td></tr>
<tr><td>Maximum roll diameter</td><td>180 mm</td></tr>
<tr><td>Roll length</td><td>200 meters</td></tr>
</table>

Output delivery	'Top delivery tray' (standard) 'Receiving rack (basket)' (option) Folder (option)
Output sizes	Width ■ DIN: From A4 (landscape) to A0, 42", 36", A1 and B2 ■ ANSI: From 11" to 42" (including 30") Length ■ 200 - 5000 mm.
Drawing margins	■ Leading and trailing strip: 5 mm ■ Left and right side: 5 mm
Width detection	Automatic
Media types	■ *Preferred Océ media types and sizes* on page *299* ■ *Supported non-Océ media types and sizes* on page *302* ■ *Preferred Océ laminates* on page *305*
Calibration	■ Automatic 'Imaging carriage' alignment (initiated by the 'Key operator'). ■ Failing nozzle compensation [Nozzle failure in the run is detected and compensated].
Dimensions	2100 mm x 893 mm x 1575 mm (W x D x H)
Voltage	100-120 / 240 V
Frequency	50/60 Hz
Power consumption	■ Off: 0,15 W ■ Energy save: 185 W ■ Ready: 270 W ■ Active: 450 W ■ EPA energy star ®: Sleep mode 69 W (Total system)
Weight	■ 195 kg with 1 drawer ■ 235 kg with 2 drawers ■ 275 kg with 3 drawers
Safety approvals	TüV GS, CETECOM, CE, UL, (c)UL, CB, FCC Class A
Other	■ Maintenance cassette. ■ EPA Energy Star® compliant. ■ No ozone emission ■ No odor ■ 'Océ TonerPearls™'

Preferred Océ media types and sizes

Introduction

Océ machines and media are matched for the best quality and performance. Océ advises only approved Océ media. You can receive a full list of the Océ media that you can use in your printer (that includes plain paper, transparent paper, colored papers and different polyester films) from your Océ representative.



Attention: Do not store the paper in rooms where temperature and humidity are high. Avoid dust and direct sunlight. Wrap not used paper in the plastic to prevent it absorbing moisture.

Media types - Europe

The following preferred media types are available for the Océ ColorWave™ 600 in Europe:

[128] Preferred media types - Europe - Papers

Media code	Description	g/m², mil or mu	Core	Name on the Printer operator panel	Output delivery
LFM090	Océ Top Color	90	3"	Océ Top Color 90g	'Top delivery tray'
LFM115	Océ Top Label		3"	Océ Top Label	'Top delivery tray'
LFM120	Océ Top Label	90	3"	Océ Top Label 90g	'Top delivery tray'
LFM124	Océ Top Label	100	3"	Océ Top Label 100g	'Top delivery tray'
LFM130	Océ Top Label	120	3"	Océ Top Label 120g	'External output (back)'
LFM050	Océ Red Label		3"	Océ Red Label	'Top delivery tray'
LFM020	Océ Black Label		3"	Océ Black Label	'Top delivery tray'
LFM140	Océ Green Label	80	3"	Océ Green Label 80g	'Top delivery tray'

[129] Preferred media types - Europe - Transparent papers

Media code	Description	g/m², mil or mu	Core	Name on the Printer operator panel	Output delivery
LFM220	Océ Transparent	80	3"	Océ Transparent 80g	'External output (back)'
LFM230	Océ Transparent	90	3"	Océ Transparent 90g	'External output (back)'

[130] Preferred media types - Europe - Films

Media code	Description	g/m², mil or mu	Core	Name on the Printer operator panel	Output delivery
LFM310	Océ Polyester Film	3.5	3"	Océ Polyester Film 3.5	'Top delivery tray'

[131] Preferred media types - Europe - Specialities

Media code	Description	g/m², mil or mu	Core	Name on the Printer operator panel	Output delivery
LFM410	Océ Fluorescent	90	3"	Océ Fluorescent 90g	'Top delivery tray'
LFM420	Océ Colored Paper	80	3"	Océ Colored Paper 80g	'Top delivery tray'
LFM430	Océ Colored Paper	120	3"	Océ Colored Paper 120g	'Top delivery tray'
LFM038	Océ Map Paper	80-90	3"	Océ Map Paper 90g	'Top delivery tray'
LFM034	Océ Blueback paper	110	3"	Océ Blue Back Paper 110g	'Top delivery tray'
IJM523	Océ Outdoor Tyvek	135	2"	Océ Outdoor Tyvek	'External output (back)'
IJM512	Océ Outdoor Paper	140	2"	Océ Outdoor Paper	'Top delivery tray'
IJM563	Océ Outdoor Backlit Film	145 um	2"	Océ Outdoor Backlit Film	'External output (back)'

Note: *Visit Océ on the internet at www.oce.com for the latest information.*

Note: *To make sure that your print quality is optimal you can download the OMP-file (Océ Media Profiles-file) with the right media code from the Océ website for all media types.*

Media types - USA

The following preferred media types are available for the Océ ColorWave™ 600 in the USA:

[132] Preferred media types - USA

Media code	Description	g/m², mil or mu	Core	Name on the Printer operator panel	Output delivery
45111	Océ Bond	20lb	3"	Océ Bond 20lb	'Top delivery tray'
45111R	Océ Recycled Bond	20lb	3"	Océ Recycled Bond 20lb	'Top delivery tray'
45800	Océ Premium Bond	24lb	3"	Océ Premium Bond 24lb	'Top delivery tray'
453200	Océ Presentation	32lb	3"	Océ Presentation 32lb	'External output (back)'
450018	Océ Translucent	18lb	3"	Océ Translucent 18lb	'Top delivery tray'
459020	Océ Vellum	20lb	3"	Océ Vellum 20lb	'Top delivery tray'

Note: *Visit Océ on the internet at www.oce.com for the latest information.*

Note: *To make sure that your print quality is optimal you can download the OMP-file (Océ Media Profiles-file) with the right media code from the Océ website for all media types.*

Media sizes

	Maximum	Minimum
Media width	42 inch	297 millimeters 11 inch
Roll length	200 meters	Not applicable

Supported non-Océ media types and sizes

Introduction

Océ machines and media are matched for the best quality and performance. However, Océ provides a limited number of Media profiles for non-Océ media types.



Attention: Do not store the paper in rooms where temperature and humidity are high. Avoid dust and direct sunlight. Wrap not used paper in the plastic to prevent it absorbing moisture.

Media types

The following media profiles are available for non-Océ media types:

[134] Media types - Papers

Media code	Description	g/m², mil or mu	Name on the Printer operator panel	Output delivery
	Paper Uncoated	60-70 g	Paper Uncoated 60-70g	'Top delivery tray'
	Paper Uncoated	70-85 g	Paper Uncoated 70-85g	'Top delivery tray'
	Paper Uncoated	85-120g	Paper Uncoated 85-120g	'Top delivery tray'
	Paper Uncoated	120-160g	Paper Uncoated 120-160g	'External output (back)'

[135] Media types - Transparent papers

Media code	Description	g/m², mil or mu	Name on the Printer operator panel	Output delivery
	Transparent	60-75 g	Transparent 60-75g	'External output (back)'
	Transparent	75-100g	Transparent 75-100g	'External output (back)'

[136] Media types - Films

Media code	Description	g/m², mil or mu	Name on the Printer operator panel	Output delivery
	Film 3-3.5 mil		Film 3-3.5 mil	'Top delivery tray'
	Film 4 mil		Film 4 mil	'External output (back)'

Note: *Visit Océ on the internet at www.oce.com for the latest information.*

Note: *The media profiles for non-Océ media types are generic media profiles that give the best possible result for a variety of the specified non-Océ media types. Because the media profiles for Océ media types are fine-tuned for each specific media type, the quality of the printed output will improve if you use Océ media types.*

Media sizes

	Maximum	Minimum
Media width	42 inch	297 millimeters 11 inch
Roll length	200 meters	Not applicable

Preferred Océ laminates

Introduction

Océ machines and media are matched for the best quality and performance. Océ advises only approved Océ media. You can receive a full list of the Océ media that you can use in your printer (that includes plain paper, transparent paper, colored papers and different polyester films) from your Océ representative.

Attention: Do not store the paper in rooms where temperature and humidity are high. Avoid dust and direct sunlight. Wrap not used paper in the plastic to prevent it absorbing moisture.

Laminates

The following preferred Océ laminates are available:

[138] Preferred Océ laminates

Laminate code	Laminate label

Note: *Visit Océ on the internet at www.oce.com for the latest information.*

Specifications drivers and job submission software

Océ drivers

Software environment	Required driver	Remarks
All Windows applications (for example, AutoCAD® 2000 family)	Océ Windows® Printer Driver	This driver is a mixed raster-vector HP-GL/2 printer driver that allows you to print from any application under Windows 2000®, Windows XP®, Windows Vista® or Windows Server® 2003 to your Océ printer.
Graphical application software	Océ PostScript® 3™ Drivers	The drivers allow you to print from a Windows 2000®, Windows XP®, Macintosh MacOS 8.6/9.x or Macintosh Mac OS X application to Océ printers.

Note: *Visit Océ on the internet at www.oce.com for the latest information.*

Optional application software

Function	Application software
Job submission	■ Océ Repro Desk ■ Océ Onyx RIP

Appendix B
Reader's comment sheet

Reader's comment sheet

Questions

Have you found this manual to be accurate?
O Yes
O No

Were you able to operate the product, after reading this manual?
O Yes
O No

Does this manual provide sufficient background information?
O Yes
O No

Is the format of this manual convenient in size, readability and arrangement (page layout, chapter order, etc.)?
O Yes
O No

Could you find the information you were looking for?
O Always
O Most of the times
O Sometimes
O Not at all

What did you use to find the required information?
O Table of contents
O Index

Are you satisfied with this manual?
O Yes
O No

Thank you for evaluating this manual.
If you have other comments or concerns, please explain or suggest improvements overleaf or on a separate sheet.

Comments:

Date:

This reader's comment sheet is completed by:
(If you prefer to remain unknown, please do fill in your occupation)

Name:

Occupation:

Company:

Phone:

Address:

City:

Country:

Please return this sheet to:

Océ-Technologies B.V.
For the attention of ITC User Documentation.
P.O. Box 101,
5900 MA Venlo
The Netherlands

Send your comments by E-mail to: itc-userdoc@oce.com

For the addresses of local Océ organizations see: http://www.oce.com

Appendix C
Addresses of local Océ organizations

Addresses of local Océ organizations

Océ-Australia Ltd. P.O. Box 363 Ferntree Gully MDC Vic 3165 **Australia** http://www.oce.com.au/	Océ-Österreich GmbH Postfach 95 1233 Vienna **Austria** http://www.oce.at/
Océ-Belgium N.V./S.A. J. Bordetlaan 32 1140 Brussel **Belgium** http://www.oce.be/	Océ-Brasil Comércio e Indústria Ltda. Av. das Nações Unidas, 11.857 Brooklin Novo São Paulo-SP 04578-000 **Brasil** http://www.oce-brasil.com.br/
Océ-Canada Inc. 4711 Yonge Street, Suite 1100 Toronto, Ontario M2N 6K8 **Canada** http://www.oce.ca/	Océ Office Equipment (Beijing) Co., Ltd. Xu Mu Cheng Chaoyang District Beijing 100028 **China** http://www.oce.com.cn/
Océ-Czech Republic ltd. Hanusova 18 140 21 Praha 4 **Czech Republic** http://www.oce.cz/	Océ-Danmark a/s Vallensbækvej 45 2605 Brøndby **Denmark** http://www.oce.dk/
Océ Finland OY Valkjärventie 7 D, PL 3 02130 Espoo **Finland** http://www.oce.fi/	Océ-France S.A. 32, Avenue du Pavé Neuf 93161 Noisy-le-grand, Cedex **France** http://www.oce.fr/
Océ-Deutschland GmbH Solinger Straße 5-7 45481 Mülheim/Ruhr **Germany** http://www.oce.de/	Océ-Hong Kong and China head office 12/F 1202 The Lee Gardens 33 Hysan Avenue Causeway Bay **Hong Kong** http://www.oce.com.hk/

Océ-Hungaria Kft. 1241 Budapest Pf.: 237 **Hungary** http://www.oce.hu/	Océ-Ireland Ltd. 3006 Lake Drive Citywest Business Campus Saggart Co. Dublin **Ireland** http://www.oce.ie/
Océ-Italia S.p.A. Strada Padana Superiore 2/B 20063 Cernusco sul Naviglio (MI) **Italia** http://www.oce.it/	Océ Japan Corporation 3-25-1, Nishi Shinbashi Minato-Ku Tokyo 105-0003 **Japan** http://www.ocejapan.co.jp/
Océ-Belgium S.A. Rue Astrid 2/A 1143 **Luxembourg**-Belair http://www.oce.lu/	Océ Malaysia Sdn. Bhd. #3.01, Level 3, Wisma Academy Lot 4A, Jalan 19/1 46300 Petalig Jaya Selangor Darul Ehsan **Malaysia** http://www.ocemal.com.my/
Océ-Mexico S.A. de C.V. Prolongación Reforma 1236, 4to Piso Col. Santa Fé, Del. Cuajimalpa C.P. 05348 México, D.F. **México** http://www.oceusa.com/	Océ-Norge A.S. Postboks 4434 Nydalen Gjerdrums vei 8 0403 Oslo **Norway** http://www.oce.no/
Océ-Poland Ltd. Sp.z o.o. ul. Bitwy Warszawskiej 1920 r. nr. 7 02-366 Warszawa **Poland** http://www.oce.com.pl/	Océ-Lima Mayer, S.A. Av. José Gomes Ferreira, 11 Piso 2 - Miraflores 1497-139 Algés **Portugal** http://www.oce.pt/
Océ Singapore Pte Ltd. 190 MacPherson Road #03-00 Wisma Gulab **Singapore** 348548	Océ Printing Systems (PTY) Ltd. P.O.Box 629 Rivonia 2128 **South Africa**

Océ España SA Business Park Mas Blau Osona, 2 08820 El Prat de Llobregat Barcelona **Spain** http://www.oce.es/	Océ-Svenska AB Sollentunavägen 84 191 27 Sollentuna **Sweden** http://www.oce.se/
Océ-Schweiz AG Sägereistrasse 10 CH8152 Glattbrugg **Schweiz** http://www.oce.ch/	Océ (Thailand) Ltd. B.B. Building 16/Floor 54 Asoke Road Sukhumvit 21 Bangkok 10110 **Thailand**
Océ-Nederland B.V. P.O.Box 800 5201 AV 's-Hertogenbosch **The Netherlands** http://www.oce.nl/	Océ (UK) Limited Océ House Chatham Way Brentwood, Essex CM14 4DZ **United Kingdom** http://www.oce.co.uk/
Océ North America Inc. 5450 North Cumberland Avenue Chicago, IL 60656 **USA** http://www.oceusa.com/	

Note: *The web site http://www.oce.com gives the current addresses of the local Océ organizations and distributors.*

Note: *The addresses of local Océ organizations for information about the Wide Format Printing Systems and the Production Printing Systems can be different from the addresses above. Refer to the web site http://www.oce.com for the addresses you need.*

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view the system states
    how to 148

W

wheel
    scroll 29
working area 21